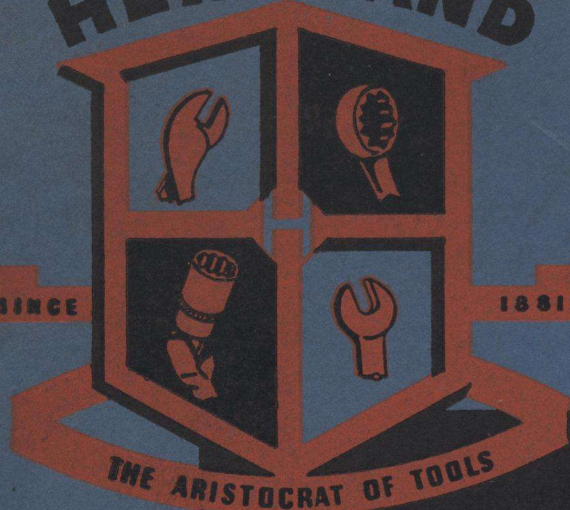


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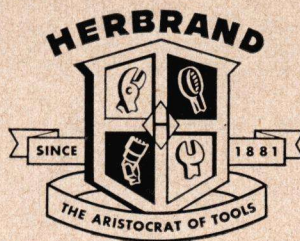
"VAN-CHROME" *Tools*

Catalog NO. 54

INCLUDING SUPPLEMENT NO. 1

HERBRAND TOOLS

Memont, Ohio



TOOLS OF QUALITY

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DISTRICT SALES OFFICES IN ALL IMPORTANT TRADING AREAS

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THE BINGHAM-HERBRAND CORPORATION

**MAIN OFFICE AND FACTORIES
FREMONT, OHIO, U.S.A.**

CATALOG NUMBER

54

INCLUDING SUPPLEMENT NO. 1

HERBRAND...

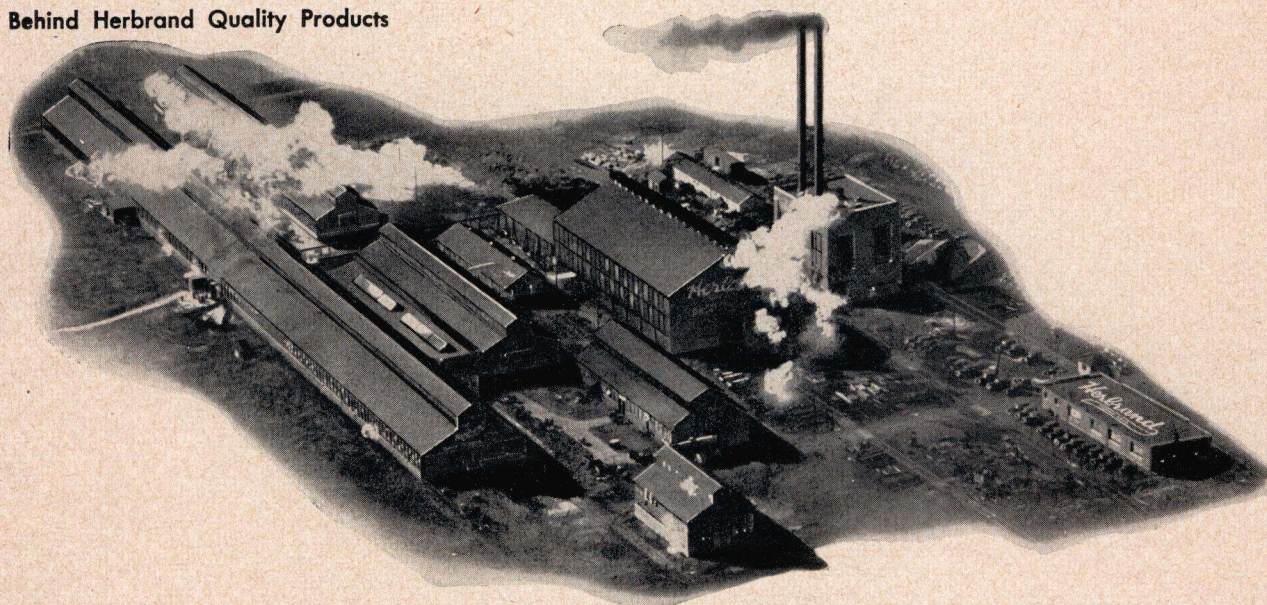
THE GREATEST NAME IN TOOLS SINCE 1881

72 YEARS of continuous progress in the

research, engineering and development of tools for the master mechanic have placed Herbrand in the forefront of the automotive and industrial fields. This experience has created the background so essential to intelligent service and is reflected in the high standard of quality found in Herbrand Tools today. Excellence of quality and revolutionary design have given them universal acceptance. Herbrand Tools raise the efficiency of the mechanic to the highest degree.

The time-tested mark of distinction "*Herbrand*" or "*Van-Chrome*" on any tool is your unqualified guarantee against faulty material or workmanship and positive assurance that they will give unfailing service on the work for which they are designed.

● The Big Modern Equipped Plant
Behind Herbrand Quality Products



A group of seventeen modern buildings on a thirty acre tract of land houses the latest type equipment for the production of Herbrand Tools of Quality and Distinction . . The tool finishing building at the left is 740' long by 60' wide

Herbrand

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WRITE FOR CATALOG and PRICES ON CARBON STEEL WRENCHES

Herbrand

Midget Series Van-Chrome Sockets, Handles and Attachments

1/4" Square Drive

Hot Forged from Triple Alloy Steel

These Mighty Midget Sockets are *Hot Forged* (not broached), assuring smooth, clean cut openings for fine adjustments and extreme accuracy. They have thin, straight sidewalls for use and clearance where space is very limited and are the most modern design for small nuts in close quarters on magnetos, generators, carburetors, radios, refrigerators, airplanes, wiring connections, etc. Each Socket is chamfered, knurled and drilled for lock-on feature. Chrome nickel plated with polished sidewalls.

6-Point Sockets

Number	Opening	Height	Wt. Doz. Ozs.
M-606	3/16	1	5
M-607	7/32	1	5
M-608	1/4	1	6
M-609	9/32	1	6
M-610	5/16	1	6
M-611	11/32	1	8
M-612	3/8	1	10
M-614	7/16	1	12

8-Point Sockets

M-808	1/4	1	6
M-810	5/16	1	8

Midget Handles and Attachments

To broaden the scope of usage of the popular Midget Sockets, Herbrand presents these Handles to complete this necessary and practical line of small hand tools. Engineered to deliver the utmost speed and ease of handling, they are light in weight but exceptionally strong. Chrome plated.

M-10 MIDGET REVERSIBLE RATCHET OF EXCLUSIVE HERBRAND DESIGN. Instantly reversible with easy operating thumb control button to ratchet on 1/16th of a turn, either right or left without lost motion, which permits working in 1/16th of a circle. Engineered with small head and slender lines to function efficiently in close places where other tools are restricted. The solid drop forged handle is full-fashioned to fit the natural grip of the fingers. Length 5 1/4". Weight 3 1/2 ozs.

M-13 FLEXIBLE OFFSET HANDLE. This essential Flex Handle combines a swivel handle, an offset handle, a T handle and a nut spinner in one perfectly balanced tool. The head is held firmly at any desired angle by a tension ball. The knurled handle is cross-drilled to take a T bar and has a 1/4" square drive hole to engage other Midget units. Length 6". Weight 3 1/2 ozs.

M-20 SPINNER HANDLE. Pyralin insulated grip. Featured by a 1/4" square drive hole in the handle end for use with the Sliding T, or other attachments. Shank 3". Overall length 6". Weight 2 ozs.

M-21 SLIDING T HANDLE. The movable head slides flush to either end and is firmly held at any desired point on bar by a friction ball. Length 4 1/2". Weight 1 oz.

M-22 EXTENSION. 4 1/2" long. Weight 1 oz.

M-23 EXTENSION. 2" long. Weight 1 oz.

M-33 T HANDLE BAR. Used to form a T handle with M-13 Flex Spinner. Length 4 1/2". Weight 1 oz.

M-45 SCREW DRIVER ATTACHMENT FOR PHILIPS HEAD SCREWS. 1/4" square drive. Length 2". Fits No. 2 Phillips screw points. Weight 1 oz.

See page 39 for other Electrical and Ignition Tools

All items packed 6 to the box.

Herbrand

Van-Chrome Midget Series Socket and Small Nut-Turning Sets

1/4" Square Drive

Triple Alloy Steel

These carefully planned sets incorporate all the necessary Midget Sockets, Tiny Wrenches and Accessories that fill a very definite need where delicate adjustments require a precision touch rather than power and leverage. They obviate the use of cumbersome and awkward tools that invariably cause damage to costly, delicate parts.

Midget Socket Set No. MA-50 1/2—13 Pieces

Takes care of the popular sizes of small nuts used on aircraft, radio, automotive, electrical and other equipment.

Contents: 10 Hot Forged 1/4" Drive Sockets listed on page 4. Midget 1/4" Drive Handles, M-20, M-21 and M-22.

SET No. MA-50 1/2, in fitted metal box. Weight 15 ozs.

Complete Midget Socket Set No. MA-51 1/2—18 Pieces

A compact Socket Set carrying the complete range of Hot Forged Sockets and necessary Handle Units required for all small nut-turning work.

Contents: Eight 6-point "Van-Chrome" Sockets openings from 3/16" to 7/16". Two 8-point Sockets 1/4" and 5/16". Eight Midget Handles: M-10 Ratchet, M-13 Flex Handle, M-33 T Bar, M-20 Spinner Handle, M-21 Sliding T Handle, M-22 Extension 4 1/2", M-23 Extension 2", M-45 Phillips Screw Driver Bit. See page 4 for full details.

SET No. MA-51 1/2, in fitted metal box. Weight 2 lbs.

Midget Socket and Tool Set No. MA-55 1/2—27 Pieces

The use of this carefully selected assortment of small tools is very wide, not only for automotive mechanics and electricians, but for service work on radios, typewriters, office machines, movie equipment, sewing machines, meter repairs, etc.

Contents: 10 Hot Forged 1/4" Drive Sockets listed on page 4. 4 Midget Handles and Attachments Nos. M-20, M-21, M-22 and M-45. 4 Midget Box Wrenches shown on page 39. 5 Miniature Open End Wrenches Nos. 81, 83, 85, 87 and 89 described on page 39. No. 167 Ignition Plier. 3 Shockproof Handle Screw Drivers, Nos. 310-2", 311A-6", 309-3/4" blade.

SET No. MA-55 1/2, in fitted metal box. Weight 3 1/2 lbs.

Complete Midget Tool Set MA-56 1/2—31 Pieces

Here is the set that provides the utmost in Miniature Tools for all midget nuts, bolts or screws and for any work so frequently encountered where parts are small and working space limited.

Contents: Ten Hot Forged 1/4" Drive Sockets listed on page 4 with openings from 3/16" to 7/16". Eight Handles and Attachments: M-10 Reversible Ratchet, M-13 Flex Handle, M-20 Spinner Handle, M-21 Sliding T Handle, M-22 Extension 4 1/2", M-23 Extension 2", M-33 T Bar, M-45 Phillips Screw Driver Bit. Five Miniature Open End Wrenches Nos. 81, 83, 85, 87, 89 shown on page 39. Ignition Plier No. 167. Four Midget Box Wrenches shown on page 39. Three Shockproof Handle Screw Drivers Nos. 310-2", 311A-6", 309-3/4" blade.

SET No. MA-56 1/2, in fitted metal box. Weight 4 lbs.

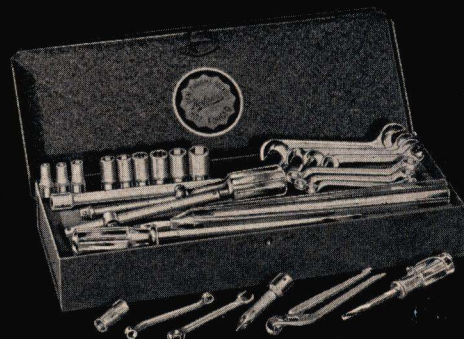
See page 39 for other Electrical and Ignition Tools



Set No. MA-50 1/2



Set No. MA-51 1/2

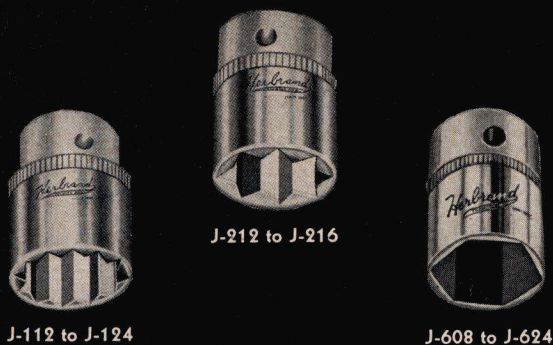


Set No. MA-55 1/2



Set No. MA-56 1/2

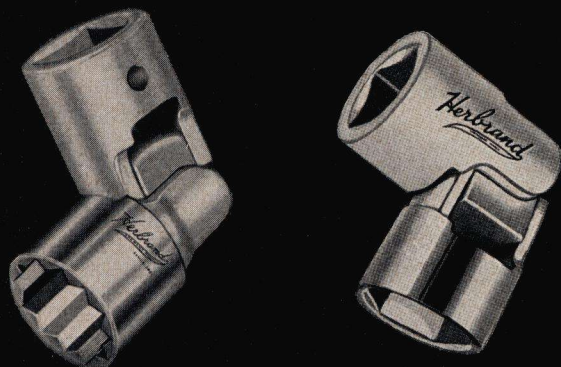
Herbrand



J-112 to J-124

J-212 to J-216

J-608 to J-624



J-318 to J-324

J-912 to J-916



J-414 to J-424

J-812 to J-826

Herbrand's *Hot Forging* eliminates all unnecessary bulk, and the extra thin, straight side walls banish clearance problems. The drive ends are machined down to a narrow offset shoulder which further reduces weight, bulk and clumsiness. The height of each socket is graduated to a definite engineering formula to balance with the size of the openings. They are heavily knurled and equipped with positive lock-on.

Herbrand Makes Only One Grade of Socket Wrenches

Only the best grade of Sockets and Handles give complete satisfaction. Herbrand does not mislead or confuse the trade with different or inferior grades. The trade name Herbrand "Van-Chrome" stands for perfection.

Junior Series Van-Chrome Sockets

$\frac{3}{8}$ " Square Drive—Thin Straight Walls

Hot Forged from Triple Alloy Steel

Small—Slender—Straight—Thinwalled—yet mighty in performance. Extra strength is *Hot Forged* into them. Advanced features of design provide unequalled advantages of speed and utility. Heat treated, knurled, have lock-on feature. Chrome plated, polished walls. Increasing service work on modern motors has created a definite need for 6-point sockets. They take a positive grip on all points of hex nuts even when distorted. Especially practical and necessary for aircraft motors.

12-Point Sockets

Number	Opening	Height	Wt. Per Doz.	
			Lbs.	Ozs.
J-112	$\frac{3}{8}$	1	..	9
J-114	$\frac{7}{16}$	1	..	12
J-116	$\frac{1}{2}$	1	..	12
J-118	$\frac{9}{16}$	1	..	12
J-120	$\frac{5}{8}$	$1\frac{1}{16}$	..	15
J-122	$1\frac{1}{16}$	$1\frac{1}{16}$	..	15
J-124	$\frac{3}{4}$	$1\frac{1}{16}$	1	2

8-Point Sockets

Number	Opening	Height	Wt. Per Doz.	
			Lbs.	Ozs.
J-212	$\frac{3}{8}$	$1\frac{1}{8}$	..	12
J-214	$\frac{7}{16}$	$1\frac{1}{8}$	..	15
J-216	$\frac{1}{2}$	$1\frac{3}{16}$	1	2

6-Point Sockets

Number	Opening	Height	Wt. Per Doz.	
			Lbs.	Ozs.
J-608	$\frac{1}{4}$	1	..	6
J-610	$\frac{5}{16}$	$1\frac{1}{8}$	..	6
J-612	$\frac{3}{8}$	$1\frac{1}{8}$	..	9
J-614	$\frac{7}{16}$	$1\frac{1}{8}$	..	12
J-616	$\frac{1}{2}$	1	..	12
J-618	$\frac{9}{16}$	1	..	12
J-620	$\frac{5}{8}$	$1\frac{1}{32}$	..	15
J-622	$1\frac{1}{16}$	$1\frac{1}{16}$	..	15
J-624	$\frac{3}{4}$	$1\frac{1}{16}$	1	2

Flexible 6-Point Sockets—Spring Tension Construction

Number	Opening	Height	Wt. Per Doz.	
			Lbs.	Ozs.
J-912	$\frac{3}{8}$	$1\frac{3}{4}$	1	2
J-914	$\frac{7}{16}$	$1\frac{3}{4}$	1	2
J-916	$\frac{1}{2}$	$1\frac{13}{16}$	1	2

Flexible 12-Point Sockets—Spring Tension Construction

Number	Opening	Height	Wt. Per Doz.	
			Lbs.	Ozs.
J-318	$\frac{9}{16}$	$1\frac{13}{16}$	1	2
J-320	$\frac{5}{8}$	$1\frac{7}{8}$	1	5
J-322	$1\frac{1}{16}$	$1\frac{7}{8}$	1	5
J-324	$\frac{3}{4}$	$1\frac{7}{8}$	1	8

Extra Deep 12-Point Sockets

Number	Opening	Height	Wt. Per Doz.	
			Lbs.	Ozs.
J-414	$\frac{7}{16}$	2	1	8
J-416	$\frac{1}{2}$	2	1	8
J-418	$\frac{9}{16}$	2	1	8
J-420	$\frac{5}{8}$	$2\frac{1}{2}$	1	8
J-422	$1\frac{1}{16}$	$2\frac{1}{2}$	1	8
J-424	$\frac{3}{4}$	$2\frac{1}{2}$	1	8

Extra Deep 6-Point Sockets

Number	Opening	Height	Wt. Per Doz.	
			Lbs.	Ozs.
J-812	$\frac{3}{8}$	2	1	8
J-814	$\frac{7}{16}$	2	1	8
J-816	$\frac{1}{2}$	2	1	8
J-818	$\frac{9}{16}$	2	1	8
J-820	$\frac{5}{8}$	$2\frac{1}{2}$	2	4
J-822	$1\frac{1}{16}$	$2\frac{1}{2}$	2	4
J-824	$\frac{3}{4}$	$2\frac{1}{2}$	3	..
J-826	$1\frac{1}{16}$	$2\frac{1}{2}$	3	12

All items packed 6 to the box.

Herbrand

Junior Series Handles and Attachments

$\frac{3}{8}$ " Square Drive—Extra Strong and Rigid
Drop Forged from Triple Alloy Steel

"Van-Chrome" Handles are correctly designed and proportioned to deliver the utmost speed and ease of handling. All unnecessary weight and clumsiness are eliminated. Comfortable grips contribute to their efficiency and careful heat treatment imparts extra strength and rigidity. Heavily chrome plated with brightly polished ends and faces. Equipped with friction balls to firmly engage the sockets and eliminate the danger of having them drop off in tight places. All Van-Chrome Handles are fully guaranteed against defects in workmanship and material.

J-10 JUNIOR REVERSIBLE RATCHET OF EXCLUSIVE HERBRAND DESIGN. Positive thumb control instantly reversible to operate the 20th of a turn either right or left. No delicate or complicated parts to cause grief; designed to operate in close, cramped quarters. Solid drop forged handle. Amazingly strong. Length 6 $\frac{5}{8}$ ". Weight 8 ozs.

J-13 FLEXIBLE OFFSET HANDLE. A flex handle, a swivel handle, an offset handle, a T handle and a nut spinner all in one. Perfectly balanced with a compact swivel joint on a comfortable grip, form fitting handle. A friction ball holds the drive tip firmly at any angle. The handle is cross drilled to insert a T bar when needed. Length 8 $\frac{3}{8}$ ". Weight 8 $\frac{1}{2}$ ozs.

J-17 SPEEDER HANDLE. Forged solid. Light and slim, designed for extra speed and more clearance. Has a special knurled revolving handle for perfect grip. Length 17". Weight 1 lb. 1 oz.

J-20 LONG SPEEDER HANDLE. 34" long for extra reach and clearance. Forged solid. Revolving grip handle. Weight 1 lb. 6 ozs.

J-21 SLIDING T HANDLE. The movable head slides flush to the ends making an offset wrench. A friction ball holds the head firmly at any point on the bar. Length 8". Weight 4 ozs.

EXTENSIONS. Forged solid and cross drilled for use with T Bar J-33. The drive end is forged with an offset shoulder which acts as a positive stop. Equipped with lock-on feature.

J-25 EXTENSION, 3" long. Weight 2 ozs.

J-27 EXTENSION, 5" long. Weight 3 ozs.

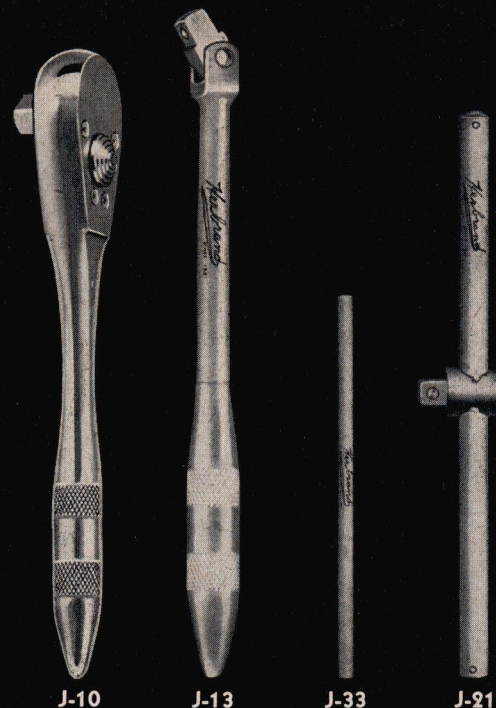
J-29 EXTENSION, 11" long. Weight 6 ozs.

J-33 T HANDLE BAR. Used to form a T with all Herbrand Handles which are cross drilled for this purpose. Length 6 $\frac{1}{2}$ ". Weight 1 oz.

J-35 UNIVERSAL JOINT, improved, short coupled, positive locking, facilitates adjustments in inaccessible places. Reaches where other universals fail. Weight 2 ozs.

J-39 DRAG LINK SOCKET. A screw driver type socket with a $\frac{1}{16}$ " bit. Necessary for tightening slotted nuts on shock absorbers, steering gear assemblies, etc. Overall length 1 $\frac{1}{8}$ ". Weight 1 oz.

All items packed 6 to the box.



J-10

J-13

J-33

J-21



J-35



J-39

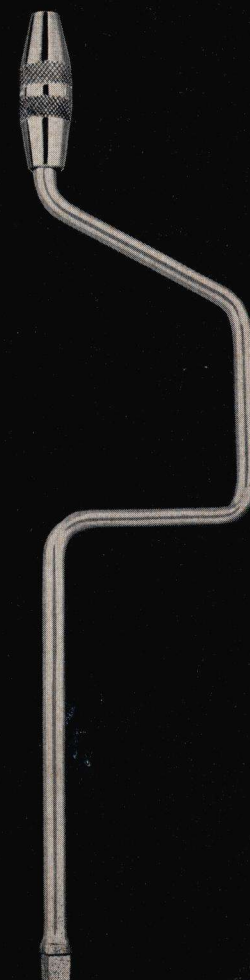


J-25

J-27

J-29

J-17 & J-20



Junior Series Van-Chrome Socket Sets

$\frac{3}{8}$ " Square Drive

Hot Forged from Triple Alloy Steel

Complete Sets of Quality Sockets and Handles may be inexpensively built to suit individual needs. The selected Sets of properly graduated Junior Series Sockets listed on this page are the most popular and efficient within their size range. Available in fitted, substantial metal boxes or cardboard containers.



Set No. JA-60 $\frac{1}{2}$

Junior Flex Set No. JA-60 $\frac{1}{2}$

Contents, total of 9 pieces:—7 "Van-Chrome" 12-point Sockets Nos. J-112, J-114, J-116, J-118, J-120, J-122, J-124, providing a range of opening sizes from $\frac{3}{8}$ " to $\frac{3}{4}$ " inclusive. Junior Flexible Handle J-13. T Handle Bar J-33.

SET No. JA-60, in fibre box. Weight 1 lb.

SET No. JA-60 $\frac{1}{2}$, in metal box. Weight 2 lbs.

Junior Socket Set No. JA-61 $\frac{1}{2}$

Contents, total of 16 pieces:—7 "Van-Chrome" 12-point sockets Nos. J-112, J-114, J-116, J-118, J-120, J-122, J-124, with opening sizes from $\frac{3}{8}$ " to $\frac{3}{4}$ " inclusive. 8-point Sockets Nos. J-212, J-214, J-216 with openings of $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ". Junior Reversible Ratchet J-10. 17" Speeder No. J-17. Universal Joint J-35. Sliding T Handle J-21. Extensions: J-27, 5" long and J-29, 11" long.

SET No. JA-61, in fibre box. Weight 3 lbs. 4 ozs.

SET No. JA-61 $\frac{1}{2}$, in metal box. Weight 5 lbs. 13 ozs.

Junior Socket Set No. JA-65 $\frac{1}{2}$

A comprehensive assortment of Junior $\frac{3}{8}$ " drive Sockets, Handles and Attachments. Its broad range of service covers the wide variety of small nuts daily encountered on motors, airplanes, refrigerators, radios, electrical devices and automobiles.

Contents, total of 28 pieces:—7 12-point Sockets, Nos. J-112, J-114, J-116, J-118, J-120, J-122 and J-124, with openings from $\frac{3}{8}$ " to $\frac{3}{4}$ ". 6-point Sockets J-608 and J-610, with openings $\frac{1}{4}$ " and $\frac{5}{16}$ ". 8-point Sockets J-212, J-214 and J-216 with openings of $\frac{3}{8}$ ", $\frac{7}{16}$ " and $\frac{1}{2}$ ". 6 Extra Deep Sockets J-414 to J-424 inclusive providing openings from $\frac{7}{16}$ " to $\frac{3}{4}$ ". Reversible Ratchet J-10, new improved design. Flex Handle J-13. Speed Handle J-17. Sliding T J-21. 3" Extension J-25. 5" Extension J-27. 11" Extension J-29. T Handle Bar J-33. Universal Joint J-35. Drag Link J-39. These tools are described on pages 6 and 7.

SET No. JA-65, in fibre box. Weight 5 $\frac{1}{2}$ lbs.

SET No. JA-65 $\frac{1}{2}$, in metal box. Weight 7 $\frac{1}{2}$ lbs.

Junior Flex Set No. JA-66 $\frac{1}{2}$

Contents, total of 9 pieces:—7 "Van-Chrome" 6-point Sockets Nos. J-612, J-614, J-616, J-618, J-620, J-622, J-624, providing a range of opening sizes from $\frac{3}{8}$ " to $\frac{3}{4}$ " inclusive. Junior Flexible Handle J-13. T Handle Bar J-33.

SET No. JA-66, in fibre box. Weight 1 lb.

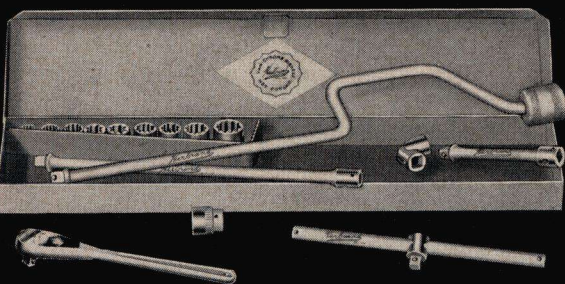
SET No. JA-66 $\frac{1}{2}$, in metal box. Weight 2 lbs.

Junior Socket Set No. JA-67 $\frac{1}{2}$

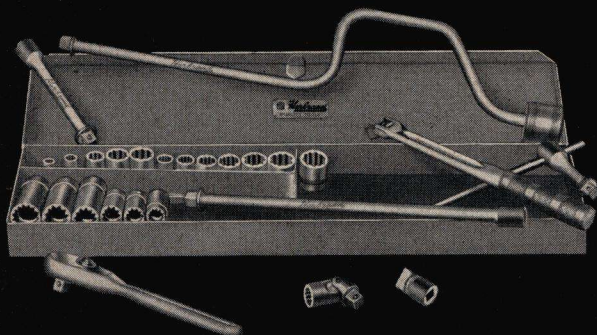
Contents, total of 16 pieces:—7 "Van-Chrome" 6-point Sockets Nos. J-612, J-614, J-616, J-618, J-620, J-622, J-624, with opening sizes from $\frac{3}{8}$ " to $\frac{3}{4}$ " inclusive. 3 "Van-Chrome" 8-point Sockets Nos. J-212, J-214, J-216, with openings of $\frac{3}{8}$ ", $\frac{7}{16}$ " and $\frac{1}{2}$ ". Junior Reversible Ratchet J-10. 17" Speeder No. J-17. Universal Joint J-35. Sliding T Handle J-21. Extensions: J-27, 5" long and J-29, 11" long.

SET No. JA-67, in fibre box. Weight 3 lbs. 4 ozs.

SET No. JA-67 $\frac{1}{2}$, in metal box. Weight 5 lbs. 13 ozs.



Set No. JA-61 $\frac{1}{2}$



Set No. JA-65 $\frac{1}{2}$

The Junior Series Sockets included in these Sets are all Hot Forged with straight, thin side walls. Openings are extra deep, smooth, clean cut and accurate. The light weight Handles and Attachments are designed for perfect balance and efficiency.

Herbrand

Standard Series Van-Chrome Sockets

1/2" Square Drive—Extra Thin Straight Walls

Hot Forged from Triple Alloy Steel

All excess weight and clumsiness have been eliminated. Every Socket is individually *Hot Forged* which insures precision, accuracy, greater strength, durability, and compactness adapting them to faster performance. The height of each socket is graduated to a definite engineering formula to balance with the opening size and they are knurled for a non-slip grip. Equipped with lock-on feature which firmly locks the sockets to the handles but releases easily. Extra powered by scientific heat treatment. Chrome plated with mirror polished side walls.

12-Point Sockets

Number	Opening	Height	Weight Per Doz.	
			Lbs.	Ozs.
S-112	3/8	1 5/16	..	12
S-114	7/16	1 5/16	..	12
S-116	1/2	1 5/16	..	15
S-118	9/16	1 5/16	1	2
†S-118V	9/16	1 5/16	1	2
S-119	19/32	1 5/16	1	2
S-120	5/8	1 5/16	1	2
S-121	21/32	1 3/8	1	5
S-122	11/16	1 7/16	1	8
S-124	3/4	1 1/2	1	14
S-125	25/32	1 1/2	1	14
S-126	13/16	1 5/8	2	..
S-128	7/8	1 5/8	2	4
S-130	15/16	1 5/8	2	12
S-132	1	1 5/8	3	3
S-134	1 1/16	1 3/4	3	3
S-136	1 1/8	1 3/4	4	8
S-140	1 1/4	1 7/8	5	4

†Special 6-point for Ford Conn. Rod Nuts—Not Replaceable

8-Point Sockets

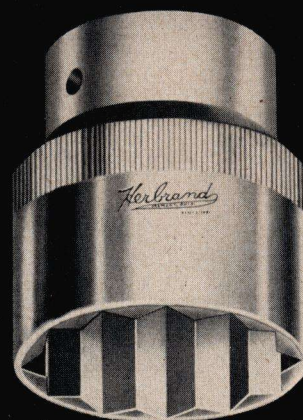
S-212	3/8	1 5/16	..	12
S-214	7/16	1 5/16	..	15
S-216	1/2	1 5/16	1	2
S-218	9/16	1 5/16	1	4
S-220	5/8	1 5/16	1	4

6-Point Sockets

S-612	3/8	1 5/16	..	12
S-614	7/16	1 5/16	..	12
S-616	1/2	1 5/16	..	15
S-618	9/16	1 5/16	1	2
S-620	5/8	1 5/16	1	2
S-622	11/16	1 5/16	1	8
S-624	3/4	1 1/2	1	14

Because of their positive grip, even on distorted bolts and nuts, 6-point sockets continue to gain in popular demand and usage. Herbrand 6-point sockets are designed for durability, balance, efficiency and long useful service. Extra strong because of special scientific heat treatment they are slim, straight and light of weight; chrome plated with side walls mirror polished.

All items packed 6 to the box.



12-Point
S-112 to S-140

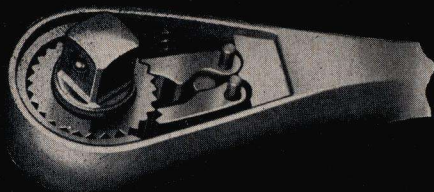


8-Point
S-212 to S-220

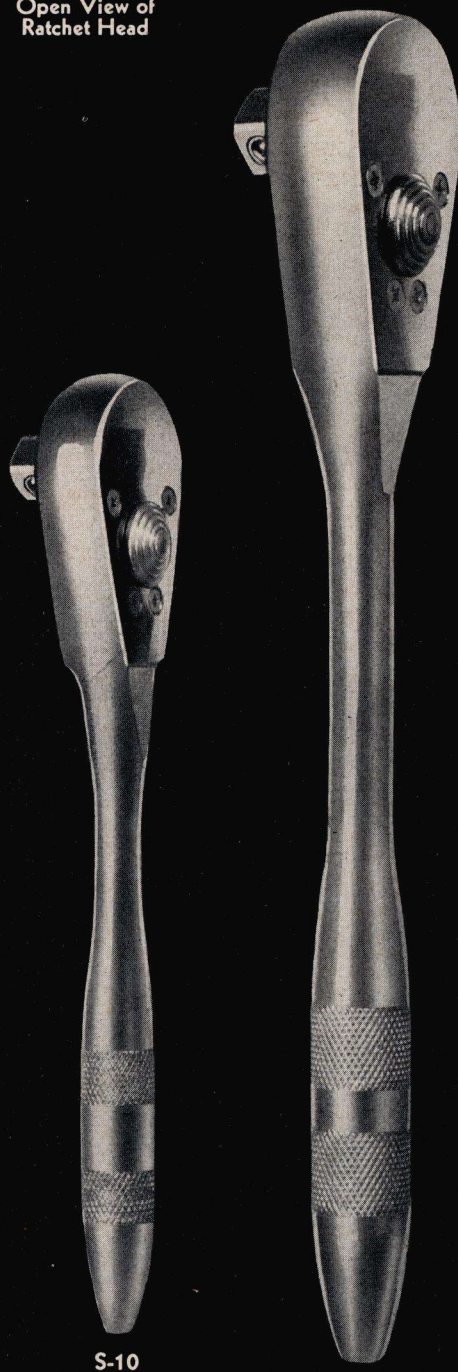


6-Point
S-612 to S-624

Only the most modern heat treating equipment manned by specially trained operators makes it possible to obtain the utmost strength and durability found in Herbrand Hot Forged Sockets. These sockets are knurled and plated with side walls polished to mirror brightness.



Open View of
Ratchet Head



S-10

S-11

The finger tip control of this modern Ratchet makes it instantly reversible to operate on the 28th of a turn in either direction with no lost motion. Absolutely trouble-proof, quick-acting and designed with trim, slender lines to operate freely in close, cramped quarters.

New Improved Standard Series Van-Chrome Reversible Ratchets

$\frac{1}{2}$ " Square Drive

Drop Forged from Triple Alloy Steel

The two sizes of Standard Ratchets now offered by Herbrand in the Standard $\frac{1}{2}$ " Drive Series provide the mechanic a complement of sizes and lengths for the highest efficiency in service work. The professional mechanic will appreciate the importance of having both Ratchets because each serves a definite purpose for modern speed tool usage. Both are the new, improved mechanism and are immediately reversible with a simple thumb control button for speed, precision and accuracy. Engineered to function in the smallest working radius.

New Reversible Ratchet No. S-10

Operates either right or left and is geared with 28 teeth to work readily in the 28th part of a circle. All parts are accurately machined, hardened and tempered for long wearing qualities. Positively cannot change working position without operating the control button. Each Ratchet is individually bench-tested and is the finest that money can buy at any price. Chrome plated and polished. 6 to the box.

Length 10". Weight 1 lb.

Extra Long Reversible Ratchet No. S-11

Mechanically, this Ratchet is the same as S-10 and the other New Herbrand Ratchets. It has the same predominating features and is designed and balanced for extra length where extra leverage is required. Chrome plated and polished. 6 to the box.

Length 15". Weight 2 lbs.

Outstanding Features of the New and Simplified Van-Chrome Ratchets

(1) Instantly reversible, (2) New, easy operating push button control, (3) Ratchets in shortest radius, (4) No lost motion, (5) Holds securely in any position, (6) Smoothest running Ratchet made, (7) Will not drag or back off nut, (8) Fewer working parts, (9) All Alloy Steel—Heat treated, (10) Sealed to keep out dirt and grit, (11) Perfectly balanced, (12) Passes rigid government test.

*Refer to pages 11 and 12 for a complete listing of $\frac{1}{2}$ " Drive
Handles and Attachments*

Herbrand

Standard Series Handles and Attachments

1/2" Square Drive—Extra Strong and Rigid

Drop Forged from Triple Alloy Steel

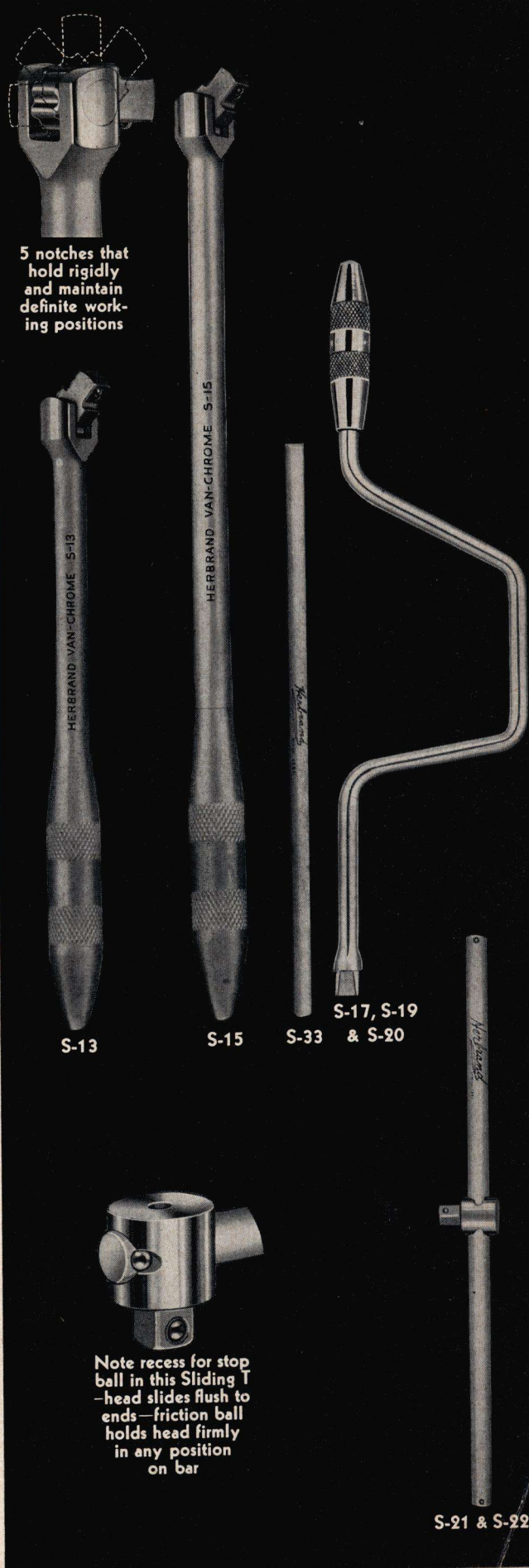
These versatile Herbrand Socket Handles and Attachments are better designed to make any combinations desired. They are lighter in weight than the ordinary types, increase efficiency, eliminate bulk and clumsiness, get into those tough spots and are easier to handle. One-piece forging and scientific heat treatment impart rigidity and power. Chrome plated and polished.

Sureset Flex Handles

Definitely distinctive improvements to Herbrand's Nationally Popular Flex Handles make them better, stronger and more useful than ever. The hinged socket receiving end is drop forged and machined with 5 notches held by a friction ball to hold firmly at any desired angle; the friction ball seats in the notches for more rigidity and maintains a definite working position. The entire tool is drop forged and produced by the drawn out and rolling method which refines the steel and imparts extra strength. Designed with larger fork, more body and longer form-fitting handle for a full hand grip. The handle is cross-drilled for use with T bar No. S-33. Chrome plated with polished heads.

- S-13 FLEXIBLE OFFSET HANDLE. Length 12". Weight 1 lb. 3 ozs.
- S-15 LONG FLEXIBLE OFFSET HANDLE. A flex handle, a swivel handle, a T handle, an offset wrench and a nut spinner—all in one. Has all the exclusive features above described. 18" long. Weight 1 3/4 lbs.
- S-17 SHORT SPEEDER HANDLE. Forged solid and specially designed for maximum clearance and leverage. Knurled revolving grip. 15" long. Weight 1 lb. 5 ozs.
- S-19 LONG SPEEDER HANDLE. Forged solid and designed to deliver the utmost in speed and efficiency. Knurled revolving grip. 17" long. Weight 1 lb. 6 ozs.
- S-20 EXTRA LONG SPEEDER HANDLE. Here's that long, lean reach on the most modern Speeder, especially built to save time, labor and grief when getting into tough spots on present day motors. The extra length makes it unnecessary to remove the hood or other interfering parts, but reaches down in and engages nuts in dark corners, at difficult angles, where average tools are useless. Has knurled revolving grip handle. Designed with a short sweep for maximum clearance. Length 34". Weight 2 lbs. 8 ozs.
- S-21 SLIDING T HANDLE. The movable head slides flush to either end and is firmly held at any point on the bar by a friction ball. Length 11". Weight 1 lb.
- S-22 SLIDING T HANDLE. Same as S-21 except Length 16". Weight 1 lb. 2 ozs.
- S-33 T HANDLE BAR. Used to form T Handle with all Herbrand attachments which are cross drilled for this service. 11" long. Weight 6 ozs.

All items packed 6 to the box.



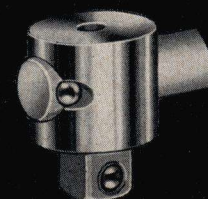
5 notches that hold rigidly and maintain definite working positions

S-13

S-15

S-33

S-17, S-19
& S-20



Note recess for stop ball in this Sliding T-head slides flush to ends—friction ball holds head firmly in any position on bar

S-21 & S-22

Herbrand

Standard Series Handles and Attachments

1/2" Square Drive—Extra Strong and Rigid

Drop Forged from Triple Alloy Steel

All "Van-Chrome" Handles and Attachments are equipped with Herbrand's well-known and distinctive lock-on feature. This is your assurance that the sockets "stay put"—no chance of them dropping off to cause grief and loss of time. The forged offset shoulder on the connection ends is a positive socket stop and provides automatic engagement of the locking ball which releases readily on a straight pull without the use of any special gadgets.

Finished in lustrous Chromium plate, the ends and faces are polished brightly. This finish is rust resisting and will retain its lustre. All "Van-Chrome" Sockets and Handles are fully guaranteed against defective workmanship and material.

Forged Extensions

All Herbrand Standard Extensions are forged solid with 1/2" square drive opening in the heads for use with other attachments. Drilled to engage T bar No. S-33, they also have retaining holes for positive lock-on to all units. The drive ends have a forged shoulder which acts as a positive socket stop and are equipped with lock-on ball to keep the sockets from working loose or falling off.

S-27 EXTENSION, 5" long. Weight 6 ozs.

S-28 EXTENSION, 10" long. Weight 12 ozs.

S-30 EXTENSION 33" long. Weight 2 lbs. 6 ozs.

S-35 UNIVERSAL JOINT. Extremely compact. New design. Short coupled. Breaks over to a full 90° angle for positive locking. Reaches into tight places where other universals fail. Weight 4 ozs.

S-37 DRAG LINK SOCKET, Blade .109 thick, 47/64" W.

S-39 DRAG LINK SOCKET, Blade .150 thick, 15/16" W.

S-40 DRAG LINK SOCKET, Blade .150 thick, 1 3/16" W.

Socket Adaptors

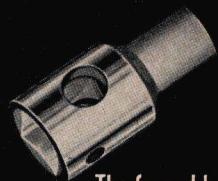
These Adaptors increase the range of the handles and permit the use of sockets of one series with handles of another series.

A-390 3/8" male, 1/2" female.

A-391 1/2" male, 3/8" female.

A-393 1/2" male, 3/4" female.

All items packed 6 to the box.



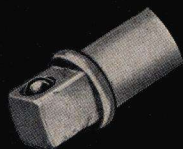
The forged heads of Extensions are cross drilled to make T or L wrenches —also have retaining holes for positive locking



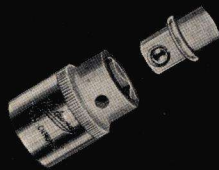
S-27



S-28



The drive end of Extensions —forged to a perfect fit to readily engage sockets or handles — offset shoulder for positive socket stop



The Herbrand positive lock-on feature — engages easily — holds sockets firmly — releases readily



S-35



S-37 to S-39



A-390 to A-393

Standard Series Van-Chrome Socket Sets

$\frac{1}{2}$ " Square Drive

Mechanics Popular Assortments

Here are set combinations containing the latest *Hot Forged* Sockets and speedier, better designed Handles. The heavy gauge metal boxes will last a lifetime and there is ample space for additional tools.

Standard Socket Assortment No. SA-70—17 Pieces

A popular assortment of 17 *Hot Forged* Sockets with 12-point openings and extra thin straight side walls.

Contents: 17 "Van-Chrome" Sockets Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-119, $\frac{19}{32}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{21}{32}$ "; S-122, $\frac{11}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{25}{32}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ "; S-130, $\frac{15}{16}$ "; S-132, 1"; S-134, $1\frac{1}{16}$ "; S-136, $1\frac{1}{8}$ "; S-140, $1\frac{1}{4}$ ".

SET No. SA-70, in fibre box. Weight 2 lbs. 8 ozs.

Standard Flex Set No. SA-71 $\frac{1}{2}$ —12 Pieces

This Set carries No. S-13 Flexible Handle and T Bar S-33, and ten selected "Van-Chrome" Sockets.

Contents: 10 "Van-Chrome" 12-point Sockets Nos. S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{21}{32}$ "; S-122, $\frac{11}{16}$ "; S-124, $\frac{3}{4}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ "; S-130, $\frac{15}{16}$ ". Flexible Offset Handle No. S-13 and T Handle Bar S-33.

SET No. SA-71 $\frac{1}{2}$ in metal box. Weight 4 lbs. 6 ozs.

Standard Flex Set No. SA-73 $\frac{1}{2}$ —18 Pieces

This popular set carries the extra long 18" Flexible Handle S-15 and the T Bar S-33. Also 16 *Hot Forged* 12-point Sockets with openings from $\frac{3}{8}$ " to $1\frac{1}{8}$ ".

Contents: 16 "Van-Chrome" Sockets Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-119, $\frac{19}{32}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{21}{32}$ "; S-122, $\frac{11}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{25}{32}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ "; S-130, $\frac{15}{16}$ "; S-132, 1"; S-134, $1\frac{1}{16}$ "; S-136, $1\frac{1}{8}$ ". 18" Flexible Offset Handle S-15 and T Bar S-33.

SET No. SA-73 $\frac{1}{2}$, in metal box. Weight 6 lbs.

Standard Socket Set No. SA-72 $\frac{1}{2}$ —16 Pieces

An assortment that comprises 10 of the most popular sizes of *Hot Forged* Sockets and 6 lightweight Handle Units. It meets the needs of most mechanics and there is ample room in the substantial metal box for additional Sockets and Handles.

Contents: 10 "Van-Chrome" 12-point Sockets Nos. S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-120, $\frac{5}{8}$ "; S-121, $\frac{21}{32}$ "; S-122, $\frac{11}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $\frac{25}{32}$ "; S-126, $\frac{13}{16}$ "; S-128, $\frac{7}{8}$ ". Reversible Ratchet No. S-10 New Improved Design. Speed Handle No. S-17; Sliding T Handle No. S-21; Extension 5" long No. S-27; Extension 10" long No. S-28 and Universal Joint No. S-35.

SET No. SA-72, in fibre box. Weight 6 lbs. 6 ozs.

SET No. SA-72 $\frac{1}{2}$, in metal box. Weight 11 lbs. 8 ozs.



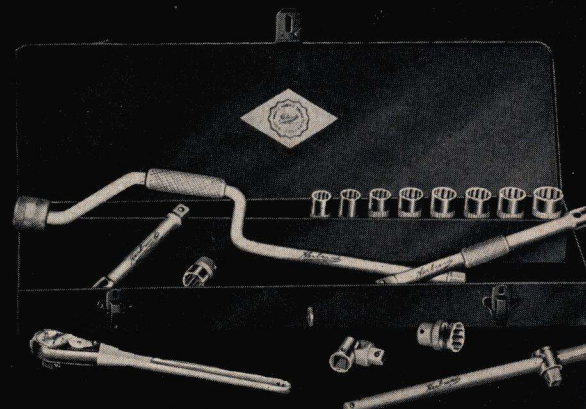
Set No. SA-70



Set No. SA-71 $\frac{1}{2}$



Set No. SA-73 $\frac{1}{2}$



Set No. SA-72 $\frac{1}{2}$

Standard Series Van-Chrome Socket Sets

1/2" Square Drive

Mechanics Popular Assortments

All Herbrand Socket Sets are complete for specific jobs. For the professional mechanic, who needs an extra large assortment of matched units, the sets shown on this page will be found more than adequate, and the roomy "hip roof" steel boxes provide space for special items as may be selected.

Standard Socket Set No. SA-77 1/2—40 Pieces

This perfectly matched "Van-Chrome" Socket Set includes eleven carefully selected Handles and Attachments, seventeen *Hot Forged* 12-point Sockets, five 8-point Sockets and seven 6-point Sockets.

Contents: 17 "Van-Chrome" 12-point Sockets Nos. S-112, 3/8"; S-114, 7/16"; S-116, 1/2"; S-118, 9/16"; S-119, 19/32"; S-120, 5/8"; S-121, 21/32"; S-122, 11/16"; S-124, 3/4"; S-125, 25/32"; S-126, 13/16"; S-128, 7/8"; S-130, 15/16"; S-132, 1"; S-134, 1 1/16"; S-136, 1 1/8"; S-140, 1 1/4". 5 "Van-Chrome" 8-point Sockets Nos. S-212, 3/8"; S-214, 7/16"; S-216, 1/2"; S-218, 9/16"; S-220, 5/8". 7 "Van-Chrome" 6-point Sockets Nos. S-612, 3/8"; S-614, 7/16"; S-616, 1/2"; S-618, 9/16"; S-620, 5/8"; S-622, 1 1/16"; S-624, 3/4". Reversible Ratchet No. S-10; 12" Flexible Offset Handle No. S-13; Speed Handle No. S-17; Sliding T Handle No. S-21; Extension 5" long No. S-27; Extension 10" long No. S-28. T Bar Handle No. S-33; Universal Joint No. S-35; Drag Link Sockets No. S-37, 3/4" and No. S-39, 1"; Socket Adapter No. A-390, 3/8" male 1/2" female.

SET No. SA-77 1/2, in metal box. Weight 17 lbs. 12 ozs.

Standard Socket Set No. SA-78 1/2—47 Pieces

A well balanced assortment of "Van-Chrome" Sockets and Handles, carefully selected as those tools regularly required for all-around service. Needed by every professional mechanic, this matched set includes twelve Handles, seventeen 12-point Sockets, five 8-point Sockets, seven 6-point Sockets and five Extra Deep 12-point Sockets. Handsomely packaged in a large, strong, dependable "Hip Roof" metal box providing ample space for additional selected tools.

Contents: 17 "Van-Chrome" 12-point Sockets Nos. S-112, 3/8"; S-114, 7/16"; S-116, 1/2"; S-118, 9/16"; S-119, 19/32"; S-120, 5/8"; S-121, 21/32"; S-122, 11/16"; S-124, 3/4"; S-125, 25/32"; S-126, 13/16"; S-128, 7/8"; S-130, 15/16"; S-132, 1"; S-134, 1 1/16"; S-136, 1 1/8"; S-140, 1 1/4". 5 "Van-Chrome" 8-point Sockets Nos. S-212, 3/8"; S-214, 7/16"; S-216, 1/2"; S-218, 9/16"; S-220, 5/8". 7 "Van-Chrome" 6-point Sockets Nos. S-612, 3/8"; S-614, 7/16"; S-616, 1/2"; S-618, 9/16"; S-620, 5/8"; S-622, 1 1/16"; S-624, 3/4". 5 "Van-Chrome" Extra Deep Sockets Nos. DS-26, 13/16"; DS-28, 7/8"; DS-30, 15/16"; DS-32, 1"; DS-36, 1 1/8" and DSH-6 T Handle Bar. Reversible Ratchet No. S-11, 15"; Flexible Offset Handle No. S-15, 18"; Speed Handle No. S-19, 17"; Sliding T Handle No. S-21, 11"; Extension No. S-27, 5"; Extension No. S-28, 10"; T Bar Handle No. S-33, 11"; Universal Joint No. S-35; Drag Link Socket No. S-37, 3/4"; Drag Link Socket No. S-39, 1"; Socket Adapter No. A393, 1/2" male 3/4" female and Torque Wrench No. S-55, 0 to 105 foot pounds.

SET No. SA-78 1/2, in metal box. Weight 27 lbs. 4 ozs.

Set No. SA-77 1/2

Set No. SA-78 1/2

Extra Deep Socket and Spark Plug Wrenches

1/2" Square Drive—Thin Straight Walls

Hot Forged from Triple Alloy Steel

In addition to fitting all spark plugs these Extra Deep Sockets are invaluable for work on body bolts, spring clips and many other places where an extra long reach is necessary. Designed with 1/2" square drive opening for use with standard handles and cross drilled so that a sliding T bar may be used. *Hot Forged* and heat treated to impart unbreakable strength. The side walls are straight and thin for clearance and the 12-point openings are smooth and deep insuring an accurate, positive fit. Knurled, chrome plated and polished.

Number	Openings	Length	Weight Per Doz.	
			Lbs.	Ozs.
DS-18	9/16	3	3	6
DS-20	5/8	3	3	6
DS-22	11/16	3	3	8
DS-24	3/4	3	4	1
DS-26	13/16	3	4	1
DS-28	7/8	3 1/4	4	14
*DS-28B	57/64	3 1/4	3	12
DS-30	15/16	3 1/4	5	4
DS-32	1	3 1/4	5	7
DS-36	1 1/8	3 5/8	8	1

*Extra thin for Buick, prior to 1938. Packed 6 to the box.

Spark Plug Wrench Sets

Recessed spark plugs on modern motors make these Extra Deep Sockets an absolute necessity. The extra depth and thin walls reach easily and turn plugs in the tightest places. The accurate, clean 12-points assure a firm, snug fit eliminating the danger of cracked porcelains or mutilated plugs.

SET No. DS-7 1/2 contains one each DS-26, DS-28, DS-28B, DS-30, DS-32, DS-36, DSH-6 T Handle Bar.

SET No. DS-11 1/2, one each of Nos. DS-20, DS-22, DS-26, DS-28, DS-30, DS-32, DSH-6 T Handle Bar. Total of 7 pieces. Weight 3 lbs. 4 ozs.

SET No. DS-12 1/2, one each of Nos. DS-20, DS-22, DS-26, DS-28, DS-30, DS-32 and DS-36 Spark Plug Wrenches. S-27 Extension 5", S-21 Sliding T Handle 11". Total of 9 pieces. Weight 5 lbs. 12 ozs.

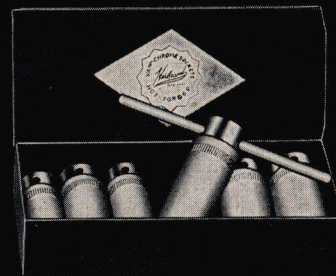
Recommended Foot Pound Torque For Spark Plug

Spark Plug Thread	Cast Iron Head	Aluminum Head
10 MM	14	12
14 MM	30	28
18 MM	34	32
7/8"-18	37	35

Refer to page 38 for Special Spark Plug Feeler Gauges G-7



Nos. DS-18 to DS-36



Set Nos. DS-7 1/2 & DS-11 1/2



No. DSH-6



Set No. DS-12 1/2

Herbrand

TORQUE WRENCH

TAPERED BEAM

NO. S-60 & NO. S-65

To insure the peak performance built into motors by the manufacturers, all threaded parts should be uniformly tightened with a Torque Wrench. Best results in reconditioning work are obtained when a Herbrand Torque Wrench is used for the correct tightening of nuts and bolts on motor heads, manifolds, brake drums, clutch assemblies, differential housings, bearings, drive shaft pinions, connecting rods, axle nuts, body bolts, spark plugs, etc.

No moving parts or fragile mechanisms are used in the measuring element. The head is hydraulically fitted at a specified pressure to the beam; likewise, the handle and yoke assembly. The strong double dial plate is electrically welded to the yoke; the heavy spring steel pointer is also electrically welded in the head. These features mean long life and permanent built-in accuracy.

Two dials, calibrated in 5 foot pound steps for right and left torque, permit reading applied torque from any angle. Chrome plated numbers on a black background aid reading in dark and close places. The small head and compact size make the S-60 and S-65 ideal when working in hard to reach places.

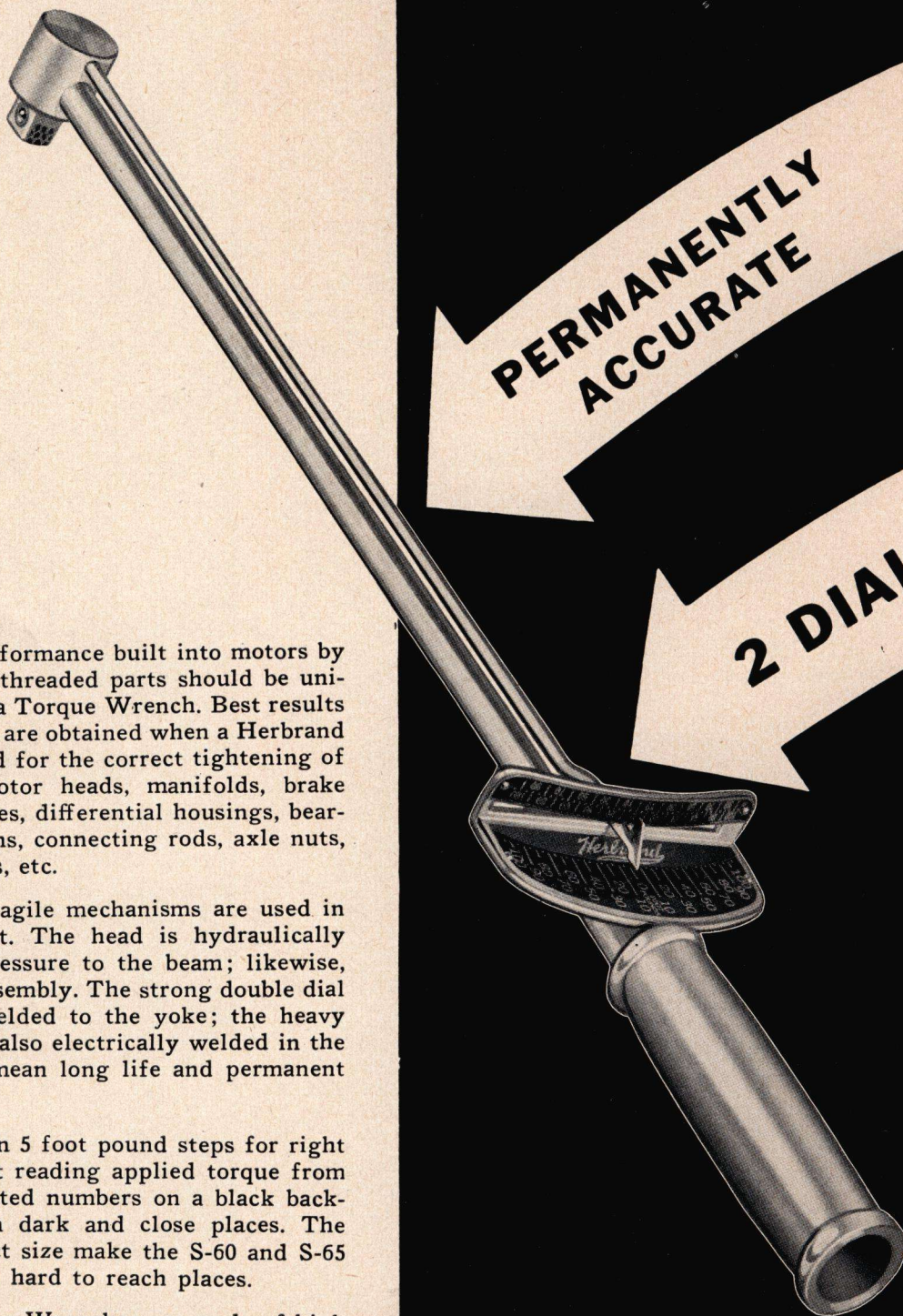
These Herbrand Torque Wrenches are made of high grade alloy steels, heat treated and plated. Excellent value for their moderate price.

S-60 $\frac{1}{2}$ " sq. drive. Capacity 0 to 100 ft./lbs.
Weight $2\frac{1}{2}$ lbs. Length $19\frac{1}{4}$ ". Packed 1 to a box.

S-65 $\frac{1}{2}$ " sq. drive. Capacity 0 to 150 ft./lbs.
Weight $2\frac{1}{2}$ lbs. Length $19\frac{1}{4}$ ". Packed 1 to a box.

PERMANENTLY
ACCURATE

2 DIALS



Heavy Duty Series Sockets

3/4" Square Drive—Thin Straight Walls

Hot Forged from Triple Alloy Steel

Engineered and designed to perform the most strenuous work on large diameter nuts where extra strength and safety are vital. Unnecessary bulk, weight and clumsiness are eliminated. Equipped with a safety snap, lock-on feature. Heat treated for brute strength. Chrome plated, polished walls.

12-Point Sockets

Number	Openings	Height	Wt. Per Doz.	
			Lbs.	Ozs.
H-128	7/8	1 7/8	3	12
H-130	1 5/16	1 15/16	4	2
H-132	1	2 1/16	4	5
H-134	1 1/16	2 1/16	4	8
H-136	1 1/8	2 1/16	5	1
H-138A	1 3/16	2 1/16	5	4
H-140	1 1/4	2 5/16	5	10
H-142	1 5/16	2 5/16	6	6
H-144	1 3/8	2 5/16	6	15
H-146	1 7/16	2 1/2	8	7
H-148	1 1/2	2 9/16	8	7
H-152	1 5/8	2 3/4	11	13
H-156	1 3/4	2 3/4	12	..
H-158	1 13/16	2 7/8	12	12
H-160	1 7/8	2 7/8	18	12
H-164	2	3	22	8

Heavy Duty Handles

3/4" Square Drive—Extra Strong and Rigid

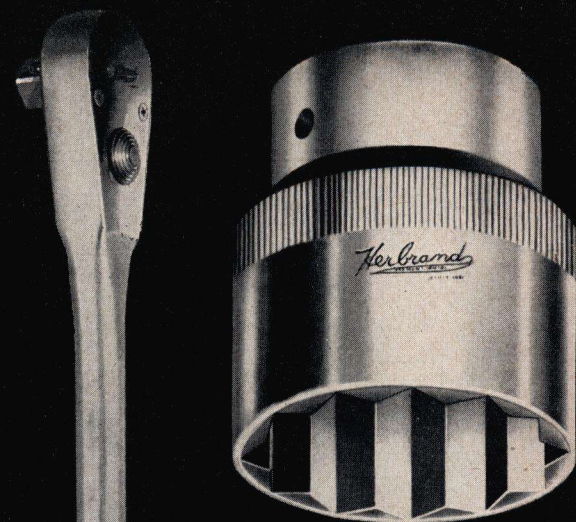
- H-11 NEW REVERSIBLE RATCHET HANDLE.** Features the latest improved mechanism used in all Herbrand Reversible Ratchets. Rugged, yet with slender lines, it concentrates tremendous power at the ratchet end for safely breaking loose the most stubborn and corroded nuts. Assures maximum speed. Reversible in action it works from a full turn to 1/36th of a circle. Length 22". Weight 5 lbs.
- H-15 FLEXIBLE OFFSET HANDLE.** Surplus power, distinctive advantages of working efficiency and more speed are featured. A friction spring plunger holds the hinged drive at any angle desired. The knurled T Bar is cross drilled for insertion of the spinning T Bar No. H-33, listed below. H-15, weight 4 lbs. 2 ozs. Length 21".
- H-21 SLIDING T HANDLE.** The movable head slides flush to the ends for use as an offset wrench and a friction ball holds the head firmly at any point. Length 18". Weight 2 lbs. 13 ozs.

Heavy Duty Extensions

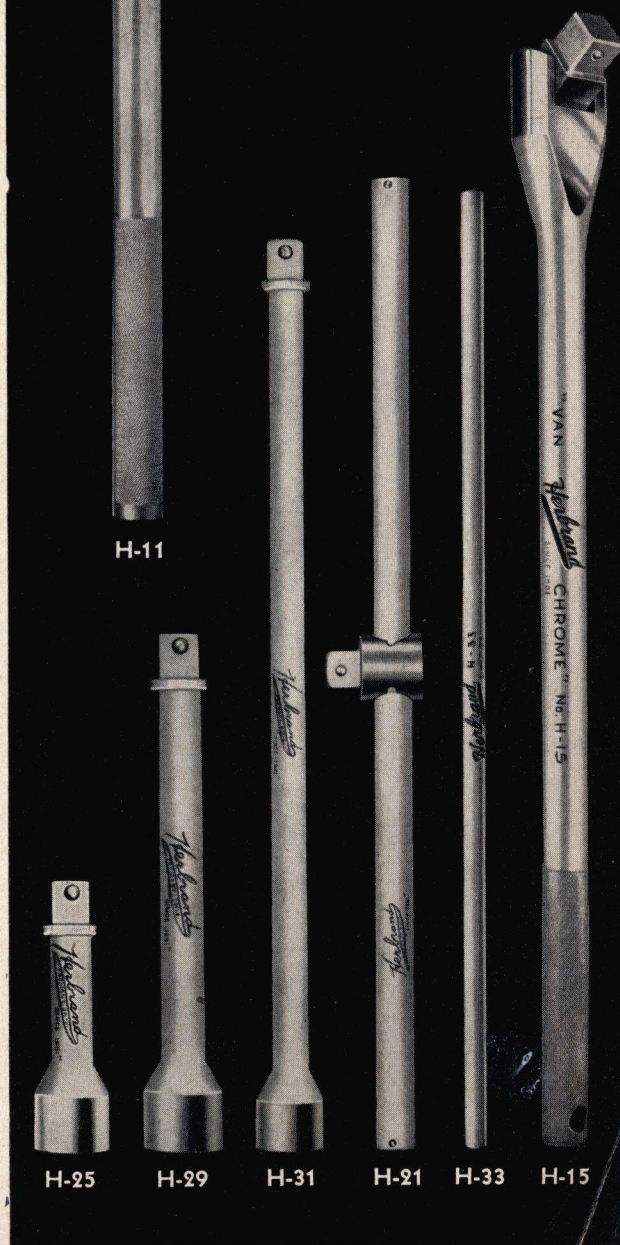
All Extensions are forged solid. The 3/4" heads are equipped with a retaining hole for positive locking to the Handles. The opposite ends are forged with an offset shoulder which provides a positive socket stop.

- H-25 EXTENSION,** 4" long. Weight 10 ozs.
- H-29 EXTENSION,** 8" long. Weight 1 lb. 3 ozs.
- H-31 EXTENSION,** 16" long. Weight 2 lbs. 4 ozs.
- H-33 T HANDLE BAR,** 20" long. Weight 15 ozs.

Refer to page 18 for Heavy Duty 3/4" Drive Socket Sets



H-128 to H-164



H-25

H-29

H-31

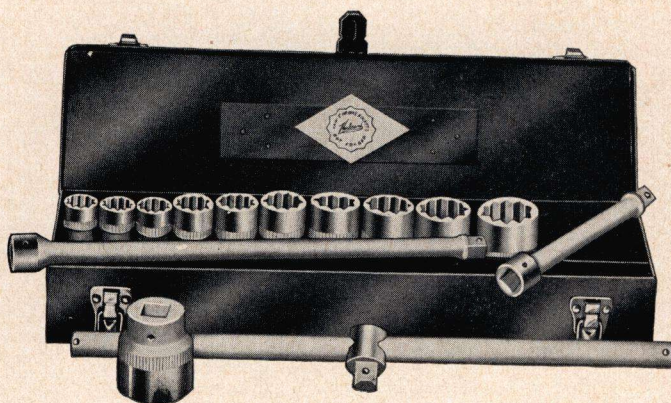
H-21

H-33

H-15

Heavy Duty Series Van-Chrome Socket Sets

$\frac{3}{4}$ " Square Drive
Triple Alloy Steel

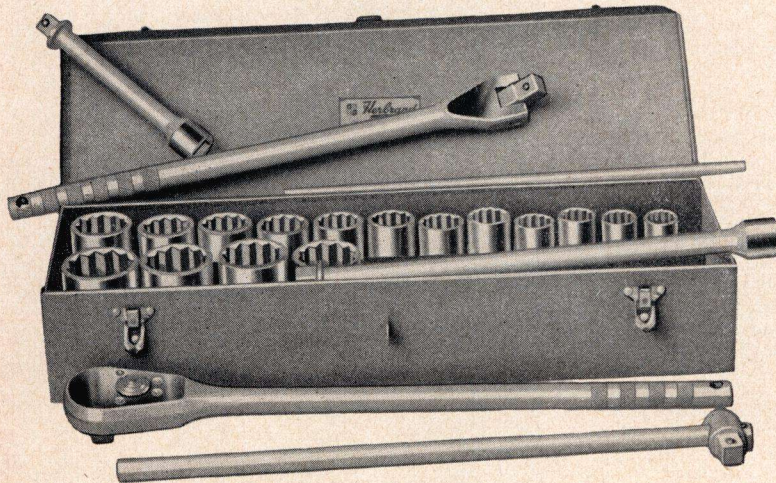


Heavy Duty Socket Set No. HA-80 $\frac{1}{2}$

Contents, total of 14 pieces: 11 "Van-Chrome" Heavy Duty Sockets Nos. H-128, $\frac{7}{8}$ "; H-130, $1\frac{1}{16}$ "; H-132, 1"; H-134, $1\frac{1}{16}$ "; H-136, $1\frac{1}{8}$ "; H-138A, $1\frac{3}{16}$ "; H-140, $1\frac{1}{4}$ "; H-144, $1\frac{3}{8}$ "; H-146, $1\frac{7}{16}$ "; H-148, $1\frac{1}{2}$ "; H-152, $1\frac{5}{8}$ ". Sliding T Handle No. H-21. Extensions No. H-29 and No. H-31.

SET No. HA-80, in fibre box. Weight 11 lbs.

SET No. HA-80 $\frac{1}{2}$, in metal box. Weight 16 lbs.



Heavy Duty Socket Set No. HA-82 $\frac{1}{2}$

Contents, total of 22 pieces: 16 "Van-Chrome" Heavy Duty Sockets with 12-point openings Nos. H-128, $\frac{7}{8}$ "; H-130, $1\frac{1}{16}$ "; H-132, 1"; H-134, $1\frac{1}{16}$ "; H-136, $1\frac{1}{8}$ "; H-138A, $1\frac{3}{16}$ "; H-140, $1\frac{1}{4}$ "; H-142, $1\frac{5}{16}$ "; H-144, $1\frac{3}{8}$ "; H-146, $1\frac{7}{16}$ "; H-148, $1\frac{1}{2}$ "; H-152, $1\frac{5}{8}$ "; H-156, $1\frac{3}{4}$ "; H-158, $1\frac{13}{16}$ "; H-160, $1\frac{7}{8}$ ", and H-164, 2". 6 Heavy Duty Handles: Ratchet No. H-11; Flex Handle No. H-15 and Spinning T Bar H-33; Sliding T Handle No. H-21 and 2 Extensions Nos. H-29, 8" long and H-31, 16".

SET No. HA-82, in fibre box. Weight 28 lbs.

SET No. HA-82 $\frac{1}{2}$, in metal box. Weight 36 lbs.

Every thoroughly equipped mechanic needs a complete set of "Van-Chrome" Heavy Duty Sockets. These large diameter sockets have many applications and are essential for truck, bus, tractor and industrial work. They are also needed for work on farm and power machinery, road building equipment and all heavy machinery units.

The "Van-Chrome" Heavy Duty Socket line insures faster and easier work because it is designed for maximum handling efficiency. All unnecessary weight and clumsiness have been dispensed with. The sockets have straight walls and even though very thin they can be depended upon to give uninterrupted service under the most strenuous conditions. These 12-point sockets cannot slip from the handle end because they are equipped with a lock-on feature which securely holds them in place.

Sockets and Handle Attachments are *Hot Forged* from a special analysis Triple Alloy Steel and are heat treated all the way through. Handsomely finished in Herbrand's lustrous triple nickel plate with highly buffed side walls.

The tool boxes are constructed of heavy gauge steel, finished in durable baked blue wrinkle, and fitted with carrying handle and locking clasps.

Set TR-31—31 Pieces

Incorporated in this basic set are the minimum number of tools necessary for adequate tractor service work. The sturdy metal box provides ample space for additional tools as the requirements demand.

Contents

3/4" Drive Items: H-21 Sliding T Handle; H-29 Extension 8"; Six 12-point Heavy Duty Sockets sizes 1 1/8", 1 1/4", 1 1/2", 1 5/8", 1 3/4", 2".

1/2" Drive Items: S-15 Flex Handle 18"; S-27 Extension 5"; S-35 Universal Joint; S-33 T Handle Bar. Seven 12-point Sockets sizes 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", and 1" openings.

Ultra Box Wrenches: Four Long 30° Angle Pattern sizes 3/8" & 7/16"; 1/2" & 9/16"; 5/8" & 11/16"; 3/4" & 13/16".

Open End Wrenches: Three sizes, 1/16" & 1/2"; 9/16" & 5/8"; 3/4" & 7/8".

Screw Drivers: 312-3"; 316-6".

Miscellaneous Items: No. 403, 1/2" x 6" Cold Chisel. No. 444, 5/8" x 6 1/2" Punch. No. 21-8" Adjustable Open End Wrench.



Set TR-51—51 Pieces

The comprehensive set of matched "Van-Chrome" Tractor Tools for practically every service need, in roomy, metal box with plenty of space for additional tools.

Contents

3/4" Drive Items: H-21 Sliding T Handle; H-29 Extension 8". Ten 12-point Heavy Duty Sockets sizes 1 1/16", 1 1/8", 1 1/4", 1 1/2", 1 5/8", 1 3/4", 1 13/16", 1 7/8" and 2".

1/2" Drive Items: S-15 Flex Handle 18"; S-27 Extension 5"; S-35 Universal Joint; S-33 T Handle Bar. Nine 12-point Sockets sizes 1/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 15/16" and 1".

Ultra Box Wrenches: Five Long 30° Angle Pattern sizes 3/8" & 7/16"; 1/2" & 9/16"; 5/8" & 11/16"; 3/4" & 13/16"; 7/8" & 15/16".

Open End Wrenches: Four sizes 7/16" & 1/2"; 9/16" & 5/8"; 5/8" & 3/4"; 13/16" & 7/8".

Combination Box and Open End Wrenches: 1230, 15/16"; 1232, 1"; 1234, 1 1/16"; 1236, 1 1/8".

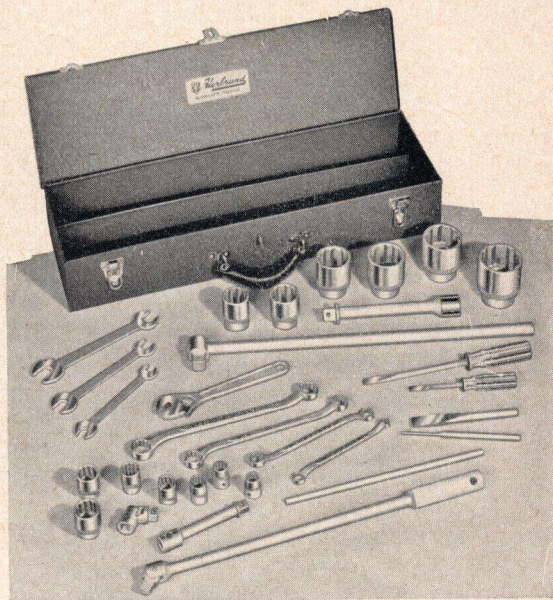
Screw Drivers: 312-3"; 316-6"; 322-12".

Miscellaneous Items: No. 403, 1/2" x 6" Cold Chisel. Punches—447, 1/2" x 7 1/2"; 461, 1/2" x 9"; 471, 5/8" x 4 1/2". No. 21-8" Adjustable Open End Wrench. Pliers—31-6" Diagonal; 33-7" Adjustable Cutting and Gripping; and No. 166 1/2 Multigrip. One pound Ball Pein Hammer No. BP-16. No. G-10 Feeler Gauge.

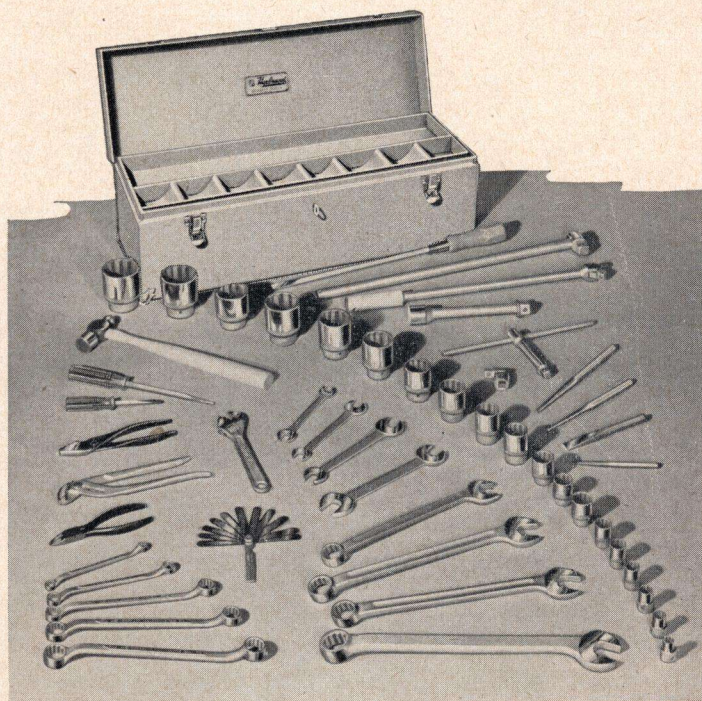
Special Tractor Tool Sets

For Gas and Diesel Tractors

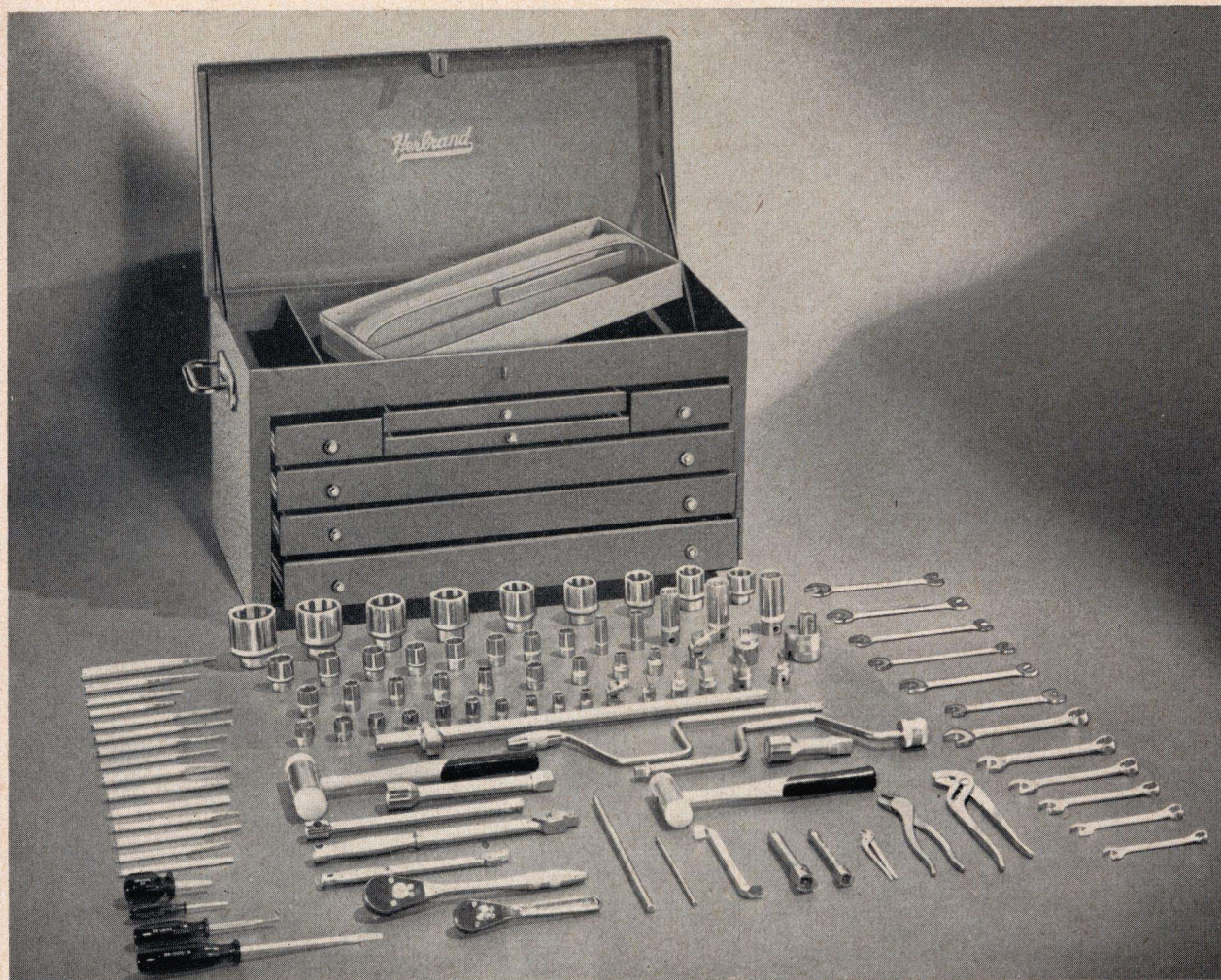
The increasingly wide use of tractors has created a new and extensive market for service tools. Alert automotive jobbers, especially those having distribution in farm communities, are increasing sales of service tools because the standard automotive items properly selected are ideal for tractor work. Heavy investments in tractor equipment make it imperative that they be properly serviced with correct tools. Herbrand has carefully planned the most adequate sets obtainable after exhaustive study of requirements for both gas and diesel types.



SET No. TR-31, in fitted metal box. Weight 27 lbs.



SET No. TR-51, in metal box, with tote tray. Weight 42 lbs.



The Royal DeLuxe Chest No. MC-105C with 101 Approved Tools

Streamline Design—Welded Construction

Seven Spill-proof Drawers that operate smoothly on Compound Slides—No Sagging or Binding

The DeLuxe Chest illustrated is the result of a careful study of the modern mechanics requirements. It incorporates all of the best features found in other chests plus many new ideas that increase the efficiency of the mechanic and effect a real saving in time, temper and loss of expensive tools. The Patented, Easy-gliding Drawer feature which operates on strong Compound Slides, avoids all binding, insures free movement of drawers even when loaded, and provides a spill-proof stop.

The seven drawers have been planned to provide

a convenient size for every piece of hand tool equipment. The two shallow, felt-lined drawers are ideal for precision instruments. The top of the Chest nests a handy Tote Tray which has dividers for segregating tools. This is the same Chest described on page 21 and fits on top of the MB-5 Royal DeLuxe Rollway. Size of Chest, 26" long, 12" deep, 14 $\frac{3}{4}$ " high.

No. MC-105C Chest and 101 Tools (tools listed on page 21). Weight 94 lbs.

No. MC-5, Chest only. See price list.

Royal DeLuxe Combination

MC-5 Magic Chest
MB-5 DeLuxe Rollway

The Extra Large Chest No. MC-5 contains seven drawers of various depths and sizes for grouping and quick selection of tools and precision instruments.

The New, Large Rollway No. MB-5 has Three Extra Size Drawers for heavy duty tools and a roomy platform shelf to accommodate large pullers etc.

Solid welded construction for permanent rigidity under severe every day usage plus patented compound slides with spillproof stops on all drawers, to provide easy gliding action even when the drawers are fully loaded, assure long trouble free service. Sliding front panels on both Chest and Rollway that disappear when open, conceal and lock the tool drawers securely when closed. Easy-running, Ball Bearing, swivel casters permit transferring complete work shop from job to job.

No. MC-5 Chest

26" long, 12" deep, 14 $\frac{3}{4}$ " high. Net weight 61 lbs. Finished in baked blue wrinkle enamel.

No. MB-5 Rollway

27 $\frac{1}{2}$ " wide, 18 $\frac{1}{2}$ " deep, 31" high. Net weight 85 lbs. Baked blue wrinkle enamel finish.



Assortment of the 101 Approved Tools

Included in Sets MC-105T, MC-105C and MC-105CR which are listed on pages 20, 21 and 22

Junior Series Sockets and Handles— $\frac{3}{8}$ " Drive

Seven 12-point, straight, thin wall Sockets, Nos. J-112, $\frac{3}{8}$ "; J-114, $\frac{7}{16}$ "; J-116, $\frac{1}{2}$ "; J-118, $\frac{9}{16}$ "; J-120, $\frac{5}{8}$ "; J-122, $1\frac{1}{16}$ "; J-124, $\frac{3}{4}$ ". Three 8-point, thin wall Sockets, Nos. J-212, $\frac{3}{8}$ "; J-214, $\frac{7}{16}$ "; J-216, $\frac{1}{2}$ ".

Two Extra Deep 12-point Sockets, Nos. J-416, $\frac{1}{2}$ " and J-418, $\frac{9}{16}$ ". No. J-10 Improved Reversible Ratchet; J-13 Flexible Offset Handle; J-17 Speed Handle; J-27 Extension 5" long; J-35 Universal Joint; J-39 Drag Link Socket and J-33 T Handle Bar.

Standard Series Sockets and Handles— $\frac{1}{2}$ " Drive

Fifteen 12-point, straight, thin wall Sockets, Nos. S-112, $\frac{3}{8}$ "; S-114, $\frac{7}{16}$ "; S-116, $\frac{1}{2}$ "; S-118, $\frac{9}{16}$ "; S-119, $1\frac{1}{32}$ "; S-120, $\frac{5}{8}$ "; S-121, $2\frac{1}{32}$ "; S-122, $1\frac{1}{16}$ "; S-124, $\frac{3}{4}$ "; S-125, $2\frac{5}{32}$ "; S-126, $1\frac{3}{16}$ "; S-128, $\frac{7}{8}$ "; S-130, $1\frac{5}{16}$ "; S-132, 1"; and S-134, $1\frac{1}{16}$ ".

Three 8-point, thin wall Sockets, Nos. S-216, $\frac{1}{2}$ "; S-218, $\frac{9}{16}$ "; S-220, $\frac{5}{8}$ ".

Three Extra Deep Sockets, DS-26, $1\frac{3}{16}$ "; DS-28, $\frac{7}{8}$ "; and DS-32, 1". Socket Extension Adaptors Nos. A-390, $\frac{3}{8}$ " x $\frac{1}{2}$ " and No. A-391 $\frac{1}{2}$ " x $\frac{3}{8}$ ".

No. S-10 Improved Reversible Ratchet with 28 teeth; S-13 Flexible Offset Handle; S-17 Speeder Handle; S-27 Extension 5" long; S-28 Extension 10" long; S-33 T Handle; S-35 Short Coupled Universal Joint; S-37 Drag Link Socket $\frac{3}{4}$ " and S-39 Drag Link Socket 1".

Heavy Duty Series Sockets and Handles— $\frac{3}{4}$ " Drive

Eight 12-point, "Van-Chrome" Sockets, Nos. H-134, $1\frac{1}{16}$ "; H-136, $1\frac{1}{8}$ "; H-140, $1\frac{1}{4}$ "; H-144, $1\frac{3}{8}$ "; H-146, $1\frac{1}{16}$ "; H-148, $1\frac{1}{2}$ "; H-156, $1\frac{3}{4}$ "; H-158, $1\frac{13}{16}$ ".

No. H-21 Sliding T Handle 20" long; H-25 Extension 4" long; H-29 Extension 8" long and No. A-393 Extension Adaptor Plug $\frac{1}{2}$ " and $\frac{3}{4}$ ".

Miscellaneous Tools

Six Multitype Combination Box and Open End Wrenches, Nos. 1214, $\frac{7}{16}$ "; 1216, $\frac{1}{2}$ "; 1218, $\frac{9}{16}$ "; 1220, $\frac{5}{8}$ "; 1222, $1\frac{1}{16}$ " and 1224, $\frac{3}{4}$ ".

Fifteen "Van-Chrome" Assorted Punches and Chisels as follows:

Flat Chisels Nos. 401, $\frac{5}{16}$ " x 5"; 402, $\frac{3}{8}$ " x 6"; 403, $\frac{1}{2}$ " x 6".

Cape Chisels, No. 410, $\frac{5}{16}$ " x 5"; 412, $\frac{1}{2}$ " x 6". Gouge Chisel No.

421, $\frac{3}{8}$ " x 6". Diamond Point Chisel No. 431, $\frac{3}{8}$ " x 6". Pin

Punches, Nos. 443, $\frac{5}{16}$ " x 6"; 444, $\frac{3}{8}$ " x $6\frac{1}{2}$ "; 445, $\frac{3}{8}$ " x $6\frac{7}{8}$ ";

446, $\frac{3}{8}$ " x 7". Solid Punches Nos. 451, $\frac{3}{8}$ " x 5"; 452, $\frac{1}{2}$ " x 6" and

453, $\frac{5}{8}$ " x 7". Center Punch No. 471, $\frac{3}{8}$ " x 5".

Open End Wrenches: Nos. 1725B, $\frac{1}{2}$ " x $\frac{9}{16}$ " and 1027B, $\frac{5}{8}$ " x $1\frac{1}{16}$ ".

Protectogrip Insulated Handle Screw Drivers as follows: Nos. 310, 2" blade; 312, 3" blade; 315, $1\frac{1}{4}$ " blade; 316, 6" blade.

No. 354 Offset Screw Driver, $6\frac{1}{2}$ " long.

Tappet Wrenches, 2 each of No. H-2 with $\frac{1}{2}$ " and $\frac{9}{16}$ " openings and No. H-3 with $\frac{5}{8}$ " and $1\frac{1}{16}$ " openings.

Special Pliers: No. 166 $\frac{1}{2}$ Improved Water Pump and General Service Plier; No. 179 Battery Plier; No. 167 Midget Ignition Plier.

Nylon Hammers No. 660 and 662.

Stud Puller No. 820.

MC-105T—Tools only.

MC-105C—Tools and MC-5 Chest.

MC-105CR—Tools, MC-5 Chest and MB-5 Rollway.

Herbrand

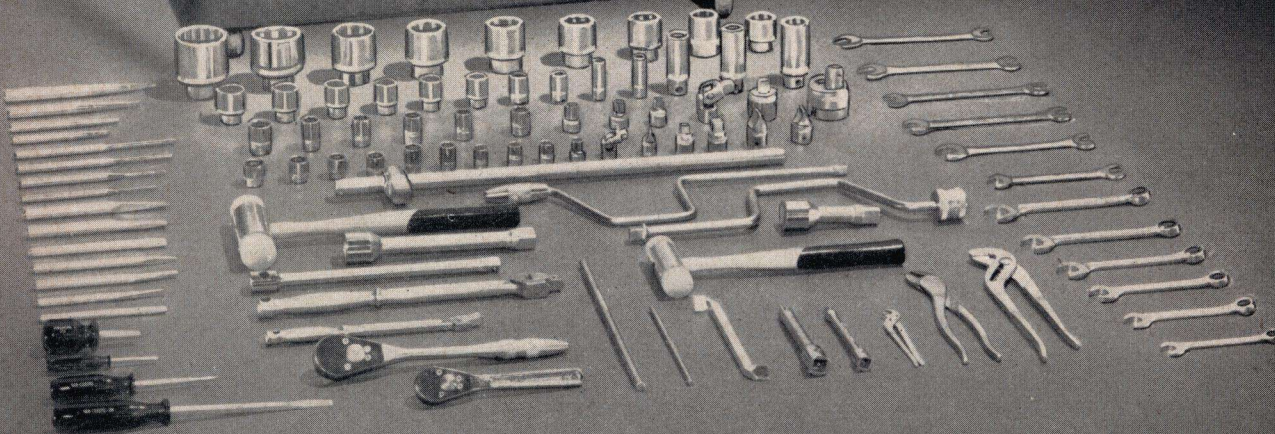
The Royal DeLuxe Rollway Workshop Model No. MC-105CR

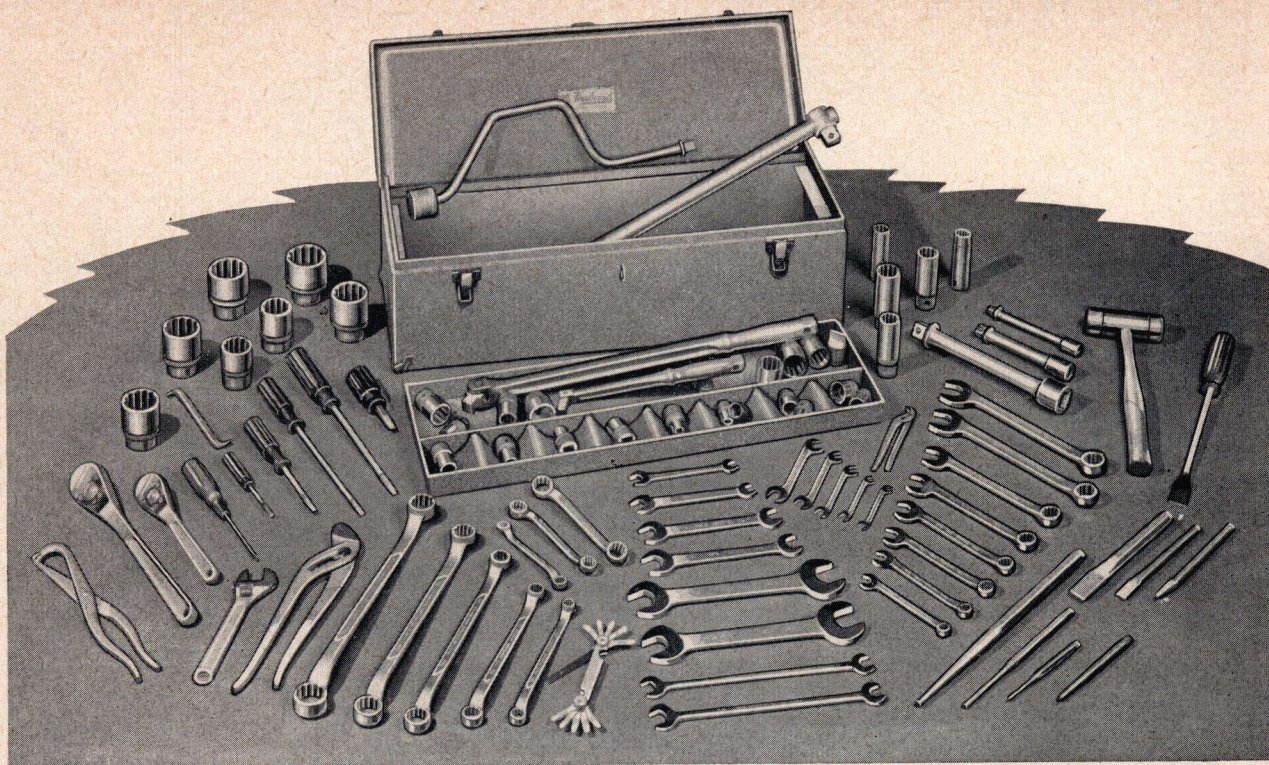
With 101 Approved Tools

**New Extra Large Portable Tool
Chest MC-5—New Streamlined
Rollway MB-5—Modern Design
with Rounded Corners—Both
Solid Welded Construction**

*Ten Spill-proof Drawers of convenient size
which glide easily on Patented Compound
Slides—Felt-lined Drawers for precision in-
struments—Removable Tote Tray—Chro-
mium Plated Fittings and Handles—Drop
Front Panels on Chest and Rollway—Valve
Stem Tray—Ball Bearing, Swivel Casters*

**Refer to page 21 for assortment
of Approved Tools included in
The Royal DeLuxe Workshop**





Mechanics Set No. VT-96

Weight Complete 41 Pounds

Because of the ever increasing demand for a basic tool set around which apprentice mechanics, as well as professional mechanics, can build their own complete stock of tools, Herbrand presents Mechanics' Set No. VT-96.

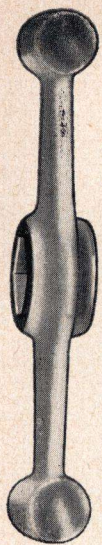
This set is most economical in that each item included has been carefully selected to provide the widest variety of possible combinations thereby permitting the owner to do the greatest number of jobs with the smallest number of tools.

By virtue of its wide job coverage it forms the perfect nucleus around which a mechanic can build his own stock of hand tools.

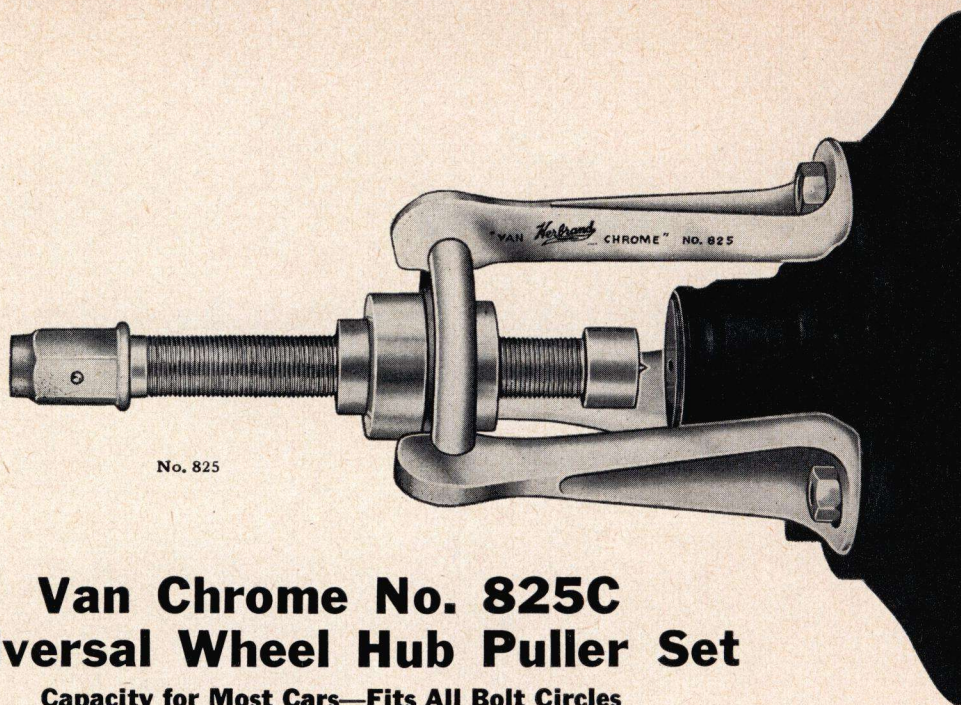
Contents

Adjustable Wrench No. 21-8
Electrical & Ignition Wrenches Nos. 81, 83, 85, 87 and 89
Pliers Nos. 166½, 167, 179 and 182
Screw Drivers Nos. 310, 312, 313, 315 and 316
General Purpose Scraper No. 348
Offset Screw Driver No. 352

Phillips Screw Driver No. 362
Chisels Nos. 402, 404 and 431
Punches Nos. 440, 445, 451, 462 and 471
Pry Bar No. 485
Nylon Tipped Hammer No. 660
Open End Wrenches Nos. 1021S, 1027B, 1033A, 1723, 1725B and 1731
Combination Wrenches Nos. 1212, 1214, 1216, 1218, 1220, 1222, 1224 and 1226
Box Wrenches Nos. 3923, 3925, 3929, 3931, 3933, 4923, 4925 and 4927
Adaptor No. A-390
Spark Plug Sockets Nos. DS-18, DS-20, DS-22, DS-24, DS-26, and DS-28
Feeler Gauge No. G-10
Heavy Duty ¾" Drive Handles and Sockets Nos. H-21, H-29, H-134, H-136, H-140, H-142, H-144, H-146 and H-148
Junior ⅜" Drive Handles and Sockets Nos. J-10, J-13, J-27, J-112, J-114, J-116, J-118, J-120, J-122 and J-124
Standard ½" Drive Handles and Sockets Nos. S-10, S-15, S-17, S-27, S-35, S-37, S-112, S-114, S-116, S-118, S-120, S-122, S-124, S-126, S-128, S-130, and S-132
Tappet Wrenches Nos. T-21 and T-22



No 825H



No. 825

Van Chrome No. 825C Universal Wheel Hub Puller Set

Capacity for Most Cars—Fits All Bolt Circles

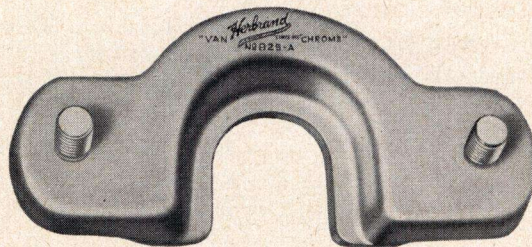
Solid Drop Forged Hub, Pulling Arms and Drive Handle

Satin Nickel Finish

Weight 11 lbs. 10 oz.

The revolutionary features embodied in this puller insure accuracy and power without harm to either the lugs or inner parts of the wheel assembly. The sturdy alloy steel screw rides in a sliding bearing which permits the use of the frequently necessary bumping force on the drive end of the screw, without the danger of damaging the puller threads. The floating cap on the contact end of the screw centers on the axle and, by its action, prevents injury to the

axle or to the puller screw. These features, along with the sliding puller arms, which are easily assembled and quickly adjusted, and the triple alloy steel drop forged drive handle No. 825H, are combined to form a most superior puller. Simple in construction yet Herbrand No. 825C Puller Set applies a straight pull on all bolt circles up to and including 7½" diameter without the use of trick attachments.



Wheel Puller Adaptor No. 825A

For All Ford V-8 Models Including 1948

Drop Forged from Triple Alloy Steel

Satin Nickel Finish

Weight 3 lbs.

The Herbrand Wheel Puller Adaptor No. 825A converts any stud type wheel puller for service on all Ford V-8 wheel hubs from 1936 up to and including present day models. Bolt the adaptor to two arms of the puller, slide assembly into

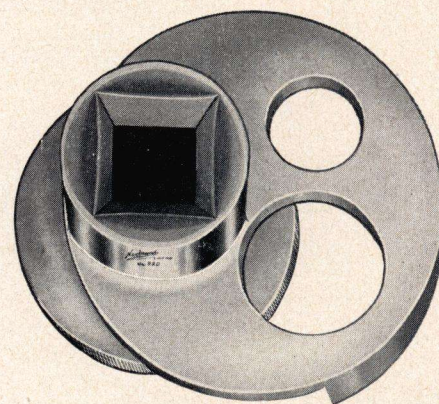
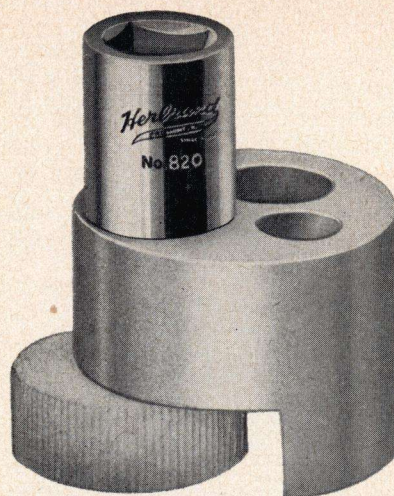
groove in the hub and turn up the forcing screw of the Wheel Puller. A straight, steady pull is thus provided eliminating danger to the operator and damage to the parts.

Stubborn, hard to budge studs quickly respond to the unfailing power of the Herbrand Stud Removing Tool. New—modern—improved and scientifically engineered to take a positive biting grip on studs and remove them with little effort, without the hazard of slipping. Close to the dash rear studs are easy because it is compact and ingeniously designed for the tough jobs which other removers cannot handle.

The special analysis Chrome Alloy Steel, from which this improved Stud Remover is made, permits lighter weight, smaller size and greater strength. This important feature allows the tool to operate closer to the work giving better balanced leverage and eliminating the danger of snapping off the studs.

Another outstanding characteristic is the increased capacity providing for a range of stud sizes from $\frac{1}{4}$ " up to $\frac{3}{4}$ " inclusive. The self-adjusting, eccentric roller forms a wedging action against the stud and has deep, precision cut teeth which no stud can resist. The teeth take a firm grip without distorting the studs.

Still another salient factor is the driving stud on top of the tool. This carries a $\frac{1}{2}$ " square drive service connection for use with any ratchet handle, flex handle, or standard socket unit.



Top View

Van-Chrome Eccentric Stud Puller No. 820

Ratchet Action—Capacity $\frac{1}{4}$ " to $\frac{3}{4}$ "

Made from Triple Alloy Steel

This compact tool handles all studs from $\frac{1}{4}$ " to $\frac{3}{4}$ ", covering a range of service including all passenger cars and practically all trucks. Improved engineering and the use of quality steel eliminate bulk and clumsiness, permitting it to engage and remove studs which are inaccessible to other tools. It operates on the gear principle for gripping, develops tremendous power, cannot slip and will not lock on the job. The self-adjusting, eccentric roller sets flush with the housing of the tool and has deep, precision cut teeth to service studs that have been twisted off close to the block.

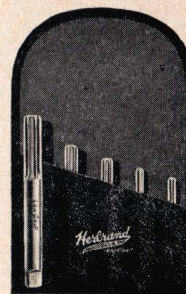
Has $\frac{1}{2}$ " square drive service connection for use with any ratchet handle, flex handle, or standard socket unit. Nickel plated and polished.

Height $2\frac{1}{16}$ ". Weight 1 lb. Packed 4 to a box.

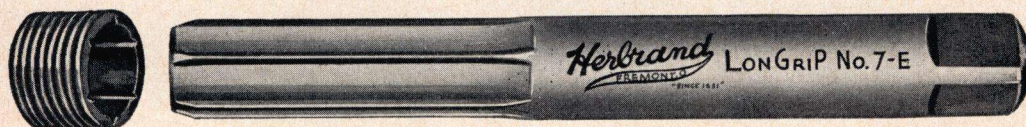
Herbrand



Set No. XX-10



Set No. XX-5



Screw and Stud Extractor Sets

Straight Flutes—No Taper

A New, Positive Method of Screw Extraction. Saves Dismantling, Shutdowns and Costly Delays

These Straight Fluted Extractors provide the only safe and efficient means of removing broken threaded ends of studs and screws that are deep below the surface and positively eliminate dismantling motors, machinery or parts to expose stud ends.

Operation:

1. Drop proper size centering drill guide in stud hole—insert drill and drill clear through broken off screw bolt or stud.
2. Insert enlarging drill and drill stud or bolt to a thin shell.
3. Drive in extractor and turn out broken ends.

Set No. XX-10 for Screws of Diameters $\frac{1}{4}$ " to $\frac{1}{2}$ " Inclusive

A popular assortment of standard length Extractors, Drills and Guides for $\frac{1}{4}$ " to $\frac{1}{2}$ " screws or studs, suitable for depth extraction up to 1". Contents: 5 Extractors, Nos. 1E to 5E inclusive with screw diameters $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ " and $\frac{9}{16}$ ". 5 Special Centering Drills. 10 Drill Guides and an Extractor Wrench. Total of 21 pieces.

Weight $2\frac{1}{4}$ lbs. In die cast metal box.

Extractor Set No. XX-5

SET No. XX-5, 1 each of Extractors Nos. 1E, 2E, 3E, 4E and 5E. Screw diameters $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ " and $\frac{9}{16}$ ".

Weight 6 ozs. In leatherette case.

When screws and studs break off they invariably leave the end below the surface where they must be drilled out to a thin shell for safe and easy removal. Blind center punching, drilling and the use of obsolete spiral or tapered removers usually result in breakage, failure and costly delays.

Revolutionizing old methods of screw and stud extraction these Straight Fluted Extractors obsolete the old tapered type. They are the *only* extractors that positively engage broken threaded ends their entire length. When inserted they key themselves into the shell, work like an internal socket wrench and cannot turn into, or out of, the broken ends. There is no damaging of costly parts or threads, no wedging, no reaming or shell spreading and no failures. The straight fluted principle eliminates all guess work and hazards because guides are used for accurate centering at depths. Drill clear through a broken off screw, bolt or stud end, drive in a Straight Fluted Extractor and turn it out easily and safely.

Van-Chrome Open End Adjustable Wrenches

Thin—Strong—Perfectly Balanced

Drop Forged from Chrome Alloy Steel

Extra thin and extra strong, these New Adjustable Wrenches have a full, deep throat straight back to the frame which gives a greater bearing and a full bite on both square and hex nuts—no slipping or “knuckle busting.” The movable jaw has a wide bearing surface.

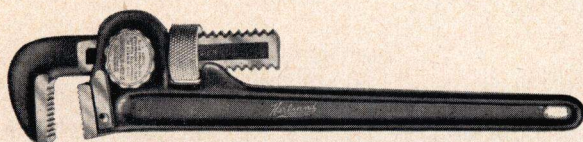
The tapered jaws are perfectly matched and so thin that they reach places inaccessible to ordinary wrenches, but are so strong that they withstand breaking tests that most wrenches of this type cannot meet.

The free-riding jaw adjusts instantly by a turn of the easy-running knurl screw, which has four tempered threads accurately meshed in the forged jaw to hold any adjustment firmly and allow greater pressure on the handle without slipping. The handle is graduated to a wider end to fit the hand in a natural gripping position and imparts perfect balance.

Hardened in oil. Chrome plated, heads polished.

Catalog Number	Length	Capacity	Weight Per Doz. Lbs.	Ozs.
21-4	4	$\frac{1}{2}$	1	14
21-6	6	$\frac{3}{4}$	3	..
21-8	8	$\frac{15}{16}$	8	..
21-10	10	$1\frac{1}{8}$	11	4
21-12	12	$1\frac{7}{16}$	19	8

Packed 6 to the box.



Super-Strength Pipe Wrenches

Drop Forged Alloy Jaws—Alloy Steel Beam

The superior design of the Herbrand Pipe Wrench makes it far more efficient to handle than the conventional Stillson pattern. The non-breakable, open housing with free riding adjusting nut is quickly appreciated by mechanics. The jaws are drop forged from Chrome Molybdenum Steel and carefully oil hardened. They will grip and hold perfectly under the stiffest pull and will not lock on the pipe. The alloy handle of I-Beam design fits the hand. Black enamel.

Length Inches	Jaw Opening	Weight Each Lbs.	Ozs.
6	$1\frac{1}{8}$	..	7
8	$1\frac{5}{8}$	..	14
10	$2\frac{1}{8}$	1	10
12	$2\frac{1}{2}$	2	14
14	3	3	1
18	$3\frac{1}{2}$	4	11
24	$4\frac{1}{4}$	7	7
36	$5\frac{1}{2}$	13	12

Packed 6 to the box from 6" to 24" inclusive.



Herbrand



Set No. M-3

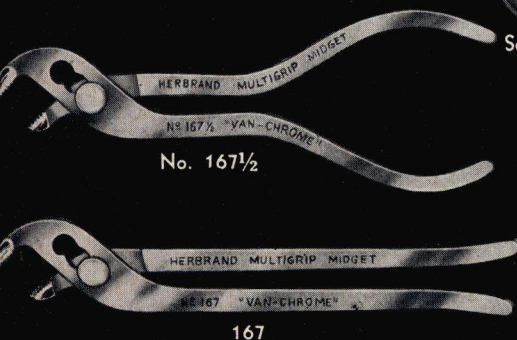
No. 168

No. 166

No. 166 1/2



Set No. M-4



No. 167 1/2

167

Original Van-Chrome Multigrip Pliers

**4 Sizes—For Water Pump, General Service
and Electrical Work**

Drop Forged from Triple Alloy Steel

Herbrand created the Multigrip Plier Family to equip the mechanic completely for a wide range of service. Their thin jaws and unique construction make it easy to reach into inaccessible quarters. The precisely machined extra deep teeth and positive bull-dog grip permit either the fine close adjustment or the strong, hard pull. All Multigrips are fitted with an Alloy Steel bolt and nut. Chrome plated with polished heads.

Multigrip Water Pump General Service Pliers

No. 166 1/2, 6 adjustments. Range 0" to 1 5/8". Length 9 3/4". Weight 12 ozs. 6 to the box.

No. 166 has 4 slip joints. Range 3/8" to 1 5/8". Length 9 1/2". Weight 8 ozs. 6 to the box.

Multigrip Junior No. 168

Unmatched as a general utility plier. Made in a convenient 7 1/2" length, it has the range of jaw opening to fit the popular sizes of S.A.E. nuts. Replaces the conventional type pliers.

No. 168, 4 adjustments. Range 0" to 3/4". Length 7 1/2". Weight 4 1/2 ozs. 6 to the box.

Multigrip Midget Plier

Little giants of capacity and utility. Only 4 1/2" long, yet strong and thin enough to reach the smallest, most awkwardly placed nuts on motor, distributor, generator, magneto, dash panel, radio, switchboard—in fact all elusive nuts.

No. 167, 4 adjustments. Range 0" to 1/16". Length 4 1/2". Weight 2 ozs. 12 to the box.

No. 167 1/2 see supplement page 16

Multigrip Plier Set No. M-3

One each Nos. 167, 168 and 166 1/2. Complete in leatherette case. Weight 1 lb. 4 ozs.

Service Station Utility Kit No. M-4

This 3-pocket genuine cowhide leather holster carries plier No. 168, No. 310, 2" blade Screw Driver and No. 312, 3" blade Driver with insulated handle—the most necessary tools around any service station. Holster is designed with slits to slip through the operator's belt. Complete in leather holster. Weight 12 ozs.

Van-Chrome Battery Service Tools

Approved by Battery Experts

Battery Terminal Lifter and Scraper No. 177

Drop Forged from Triple Alloy Steel

Battery experts acclaim the patented battery terminal lifter and scraper No. 177 the most efficient for removing terminals and cleaning the connections. Under its powerful leverage, badly frozen or corroded battery terminals snap up easily without marring, cracking, or loosening the plates or injuring the tops of the cells. A special release joint dismembers the plier, providing one section with a serrated nose for cleaning terminals and the other with sharp jaws for scraping posts.

Chrome plated with bright polished heads. Length 10½". Weight 13½ ozs. 6 to box.

Battery Plier No. 179

Drop Forged from Triple Alloy Steel

This outstanding battery plier of original Herbrand design provides more speed, ease and efficiency. The gripping jaws are serrated to take positive hold of battery terminal nuts even though badly corroded or mutilated. The special 30° angle heads make all terminal nuts easily accessible regardless of position of the battery. The nose is tapered both sides to clear filler caps. The long handles are shaped to fit the natural grip of the hand.

Chrome plated with head polished. Range ⅝" to 1". Length 8". Weight 7 ozs. 6 to box.

Battery and Starter Nut Wrench No. 276

Drop Forged from Select Tool Steel

The 12-point openings ⅞" and ⅝" are machined in specially designed heads. One end for the starter nut, the other end is extra thin to firmly grip the terminal nut. Satin nickel, heads polished. Length 6". Weight 2½ ozs. 6 to box.

Battery Service Set No. B-3

Comprises the popular patented Battery Terminal Lifter and Scraper No. 177, the No. 179 Battery Plier and No. 276 Battery Wrench. Complete in 3 pocket "Versilan" roll.



No. 179

No. 276



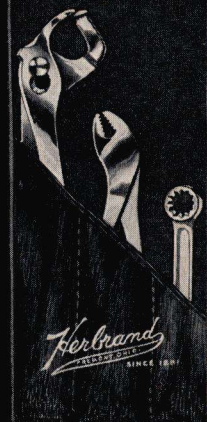
Lifting Battery Terminal



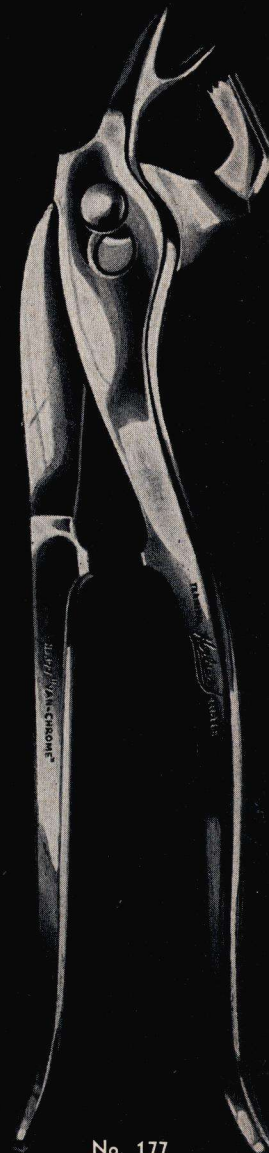
Dismembered for Cleaning



Scraping Terminal Post



Set No. B-3



No. 177

Van-Chrome Mechanics' Pliers

A Size and Type for Every Need

Drop Forged from Special Chrome Alloy Steels

Dependable, well-designed pliers are the most important tools in the mechanics kit. Basically, the selection of the steel used together with exactly controlled heat treatment, tempering, fitting and expert construction produces the highest type of precision pliers available. "Van-Chrome" Pliers are designed and built for the mechanic. They are drop forged from special analysis Chrome Alloy Steels, each one carefully selected so that the Alloy used is best suited for each particular type of plier and its uses. Exceptionally long life, remarkable strength and durability are imparted because they are scientifically heat treated and tempered—through and through to the very heart of the metal—by positively controlled processes.

6" Diagonal Cutters No. 31-6

There's real cutting power in these lightweight Diagonals. Drop forged from special Nickel Molybdenum Steel—thin, narrow, hand-honed jaws to work easily in close quarters—especially handy for ignition and electrical work. Weight per dozen 3 lbs. 12 ozs. 6 to the box.

7" Diagonal Cutters No. 31-7

A moderately priced cutter of dependable quality—designed for great leverage—a handy cotter pin puller—mated, hand-edged cutting blades that will cut clean and stand up—tapered nose for maximum clearance. Drop forged from Nickel Molybdenum Steel. Weight per dozen 7 lbs. 6 to box.

7" Giant Diagonal Cutters No. 32-7

Extra high leverage—heavy duty construction for power and long life—full-fashioned long handles for easy cutting—drop forged from Nickel Molybdenum Steel—hand-honed, matched cutters. Weight per dozen 6½ lbs. 6 to box.

Cutting and Gripping Pliers—Adjustable Joint

Two tools in one—an all-around Plier that combines sturdy gripping power and an excellent Side Cutter for general purpose work. Slender jaws with two-position slip joint—head rivet flush on one side. Drop forged from Chrome Vanadium Alloy Steel. Keen, sharp cutting edges are hand-honed for durability. Available in two sizes.

No. 33-5. Length 5½". Weight per doz. 3 lbs.

No. 33-7. Length 7". Weight per dozen 6 lbs. 6 to the box.

Heavy Duty Combination Pliers

Adjustable Joint—Wire Cutters

General-use Pliers of unusual strength—designed for heavy duty work that ordinary pliers can't handle. Featuring the notch type wire cutters that pass at any angle and give a clean cut. Thin jaws—bow handles for powerful leverage. Drop forged from Chrome Vanadium Alloy Steel. Available in the three popular lengths.

No. 34-6, Length 6". Weight per doz. 6¾ lbs.

No. 34-8, Length 8". Weight per doz. 9 lbs.

No. 34-10, Length 10". Weight per doz. 11¼ lbs. 6 to the box.

No. 31-6

No. 31-7

No. 32-7

No. 33-5
No. 33-7

No. 34-6
No. 34-8
No. 34-10

Van-Chrome Mechanics' Pliers

(Continued)

Built to the highest standards, they are perfectly balanced and accurately mated with smooth, easy-riding joints. The sharp, deeply milled teeth will not mushroom, giving the plier the utmost gripping or cutting power with a minimum of pressure on the handles. Each "Van-Chrome" Plier is individually bench-tested and inspected to insure delivery of only perfect tools.

The Cutting Pliers have perfectly aligned blades that are hand-filed and honed to retain their true, sharp cutting edges. The full-fashioned handles are knurled for a comfortable, non-slip grip. Finished in rustproof gunmetal with bright heads.

No. 35-7 Angle Nose Pliers *Adjustable Joint—Thin Jaws*

The thin head of this Powerful Gripping Plier is set at a 45° angle to reach and turn objects that are inaccessible to conventional pliers. The teeth are milled and set as in a stillson wrench and will not slip on round rods, pipe or irregular shapes. The three-position adjustable slide-joints increase the range of service to fit a wide variety of popular sizes. Drop forged from Nickel Molybdenum Alloy Steel—heat treated and tempered throughout. Length 7". Weight per dozen 4 lbs. 8 ozs. 6 to the box.

No. 36-6 Long Needle Nose Pliers

This Plier is the same as No. 37-6 described below, but has no side cutter. Finely balanced for delicate work. Length 6". Weight per doz. 3 lbs. 12 ozs. 6 to the box.

No. 37-6 Long Needle Nose Pliers *With Side Cutters*

Used by mechanics in practically all trades, these Long Needle Nose Pliers are essential for ignition, electrical, telephone, radio and all work that demands an extra long reach—especially handy on fine and delicate jobs. Equipped with powerful, hand-honed cutters. Finely balanced with spring tempered long nose and handles. Drop forged from Nickel Molybdenum Alloy Steel. Length 6". Weight per dozen 3 lbs. 12 ozs. 6 to the box.

No. 38-8 Long Reach Chain-Nose Wiring Plier

Thin, pointed jaws that reach into the most confined places where fingers and the other pliers can't go. The extra long leverage handles give unusual gripping ability. A General-use Plier not only for automotive mechanics and electricians, but also for work on all small machines. Drop forged from Chrome Vanadium Steel. Has wide, smooth, spring tempered handles. Length 7¾". Weight per dozen 4½ lbs. 6 to box.

No. 39-8 Long Reach Duck-Bill Pliers

A similarly designed Plier with all the working advantages of No. 38-8 described above, but with duckbill jaws. Has wide, spring tempered, smooth handles. Length 7¾". Weight per dozen 5¼ lbs. 6 to the box.

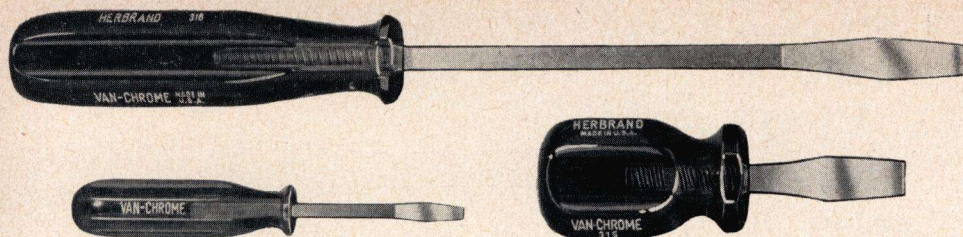
No. 35-7

No. 36-6

No. 37-6

No. 38-8

No. 39-8



Van-Chrome Protectogrip Screw Drivers

Insulated Handles—Forged Blades

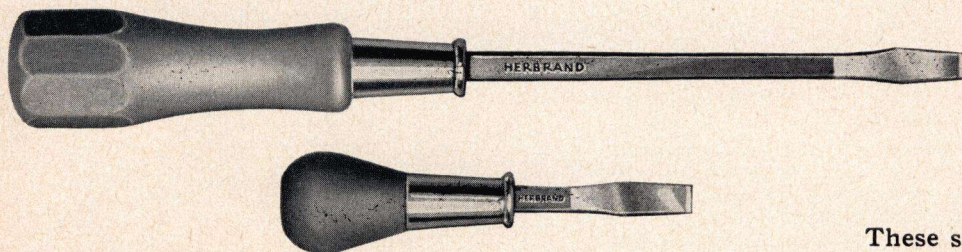
Catalog No.	Length of Blade	Size Square Stock	Overall Length	Weight Per Lbs.	Doz. Ozs.
*309	5/8	1/8	8 5/8	1	8
310	2 5/8	1/8	4 1/8	..	9
311	3	1/8	5 1/8	..	12
311A	6	1/8	8 7/8	..	12
312	3	3/16	6 1/4	1	10
313	6	3/16	9 1/4	2	..
314	9	3/16	12 1/4	2	4
315	1 1/4	1/4	3 1/2	2	..
315A	4	1/4	8	2	8
316	6	1/4	10	3	6
317	10	1/4	14	4	2
318	1 1/4	5/16	3 1/2	2	..
319	7	5/16	11	4	8
320	12	5/16	16 1/4	7	..
321	6	3/8	10 1/4	6	..
322	12	3/8	18 1/2	10	..
323	16	3/8	22 1/2	12	..

*Special Non-Conducting Screw Driver with 8" shockproof pyralin handle. Packed twelve to the box. Numbers 310 and 311 are equipped with a pocket clip.

The transparent amber handles of the Herbrand Protectogrip Screw Drivers are perfect insulators against electricity and will stand eight thousand volts or more. They are just the right size to fit snugly into the palm of the hand and are designed to prevent slipping even in greasy hands. Protectogrip handles are machined from bars of pyralin which are carefully cured to provide indestructible qualities.

The solid one piece blades are *forged* from special analysis Chrome Tungsten Steel and are heat treated to give maximum service and resiliency and will twist off the head of any screw they are made to fit. The Protectogrip is the toughest, strongest screw driver ever offered the automotive trade, and will stand surprising abuse and long wear.

Blades are satin nickel plated and the tips are polished bright. Only *square stock* is used in Protectogrip Drivers.



Wood Handle Screw Drivers

Smoothly Turned Handles—Forged Blades

Catalog No.	Length of Blade	Size Square Stock	Overall Length	Weight Per Lbs.	Doz. Ozs.
330	3	3/16	7 1/4	1	8
331	6	3/16	10 1/4	1	8
332	9	3/16	13 1/4	1	14
333	1 1/4	3/4	3 3/4	1	6
334	6	1/4	11 1/4	3	..
335	10	1/4	15 1/4	4	..
336	6 1/4	5/16	12 1/2	4	8
337	12	5/16	17 1/2	6	3
338	6	3/8	12 1/4	6	6
339	12	3/8	18 1/4	9	6
340	16	3/8	22 1/4	10	14

Packed twelve to the box.

These screw drivers are the best balanced and strongest wood handled screw drivers made. The blades are carefully drop forged from Chrome Tungsten Alloy Steel of special analysis and are heat treated throughout to provide utmost strength and resiliency. The tips are hand ground to precision gauges to insure a positive fit in the screw slots.

The square stock of the blade is firmly imbedded in the handle and securely bound in with a heavy steel ferrule. The handles are turned from clear, selected birch with white shellac finish and shaped to fit the hand for maximum driving power. Blades finished in satin nickel.

To conserve the mechanic's time and keep readily available the popular sizes of screw drivers used most frequently, Herbrand provides carefully selected assortments of the most sturdy and highest quality screw drivers in the industry.

Set No. SD-5

For electrical, ignition and radio service. Carries five slim, narrow shank drivers $\frac{1}{8}$ " and $\frac{3}{16}$ " square stock, with variation in blade lengths from 2" to 9".

Set No. SD-6

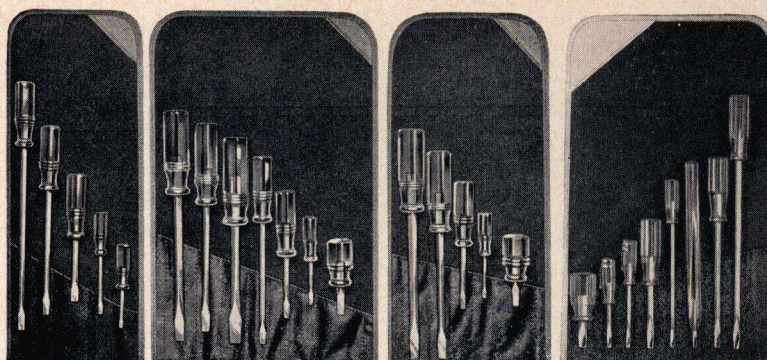
A well balanced assortment of five Drivers which are in daily need. Contains Nos. 310 and 312 for electrical and ignition work; No. 315, stubby type; Nos. 316 and 319 for general utility.

Set No. SD-7

A general service assortment of seven Protectogrip Drivers that fill an all purpose need. Includes Nos. 310, 312 and 313 for electrical and delicate adjusting work; the short, stubby driver No. 315; Nos. 316 and 319 for general purposes; the Heavy Duty Driver No. 321.

Set No. SD-8

A new assortment of Screw Drivers with small, square shanks which are particularly adapted to work on ignition, radio, electrical appliances and all tricky, delicate adjustments. Contains No. 309 Non-conducting Driver with 8" Pyralin Handle; No. 311A Extra Long $\frac{1}{8}$ " Blade Screw Driver; No. 310, 311, 312, 313, 314 and 315 Protectogrips with Chrome Tungsten Square blades and Shockproof handles.



Set No. SD-5

Set No. SD-7

Set No. SD-6

Set No. SD-8

Van-Chrome Protectogrip Screw Driver Sets

SET No. SD-5 contains 1 each of Nos. 310, 311, 312, 313, 314. In pocket "Versilan" case. Weight 11 ozs.

SET No. SD-6 contains 1 each of Nos. 310, 312, 315, 316, 319. In pocket "Versilan" roll. Weight 1 lb. 2 ozs.

SET No. SD-7 contains 1 each of Nos. 310, 312, 313, 315, 316, 319 and 321. In pocket "Versilan" roll. Weight 1 lb. 12 ozs.

SET No. SD-8 contains 1 each of Nos. 309, 310, 311, 311A, 312, 313, 314 and 315. In pocket "Versilan" kit. Weight 16 ozs.

Protectogrip Screw Driver Display No. SD-12

The extra quality of these Protectogrip Screw Drivers is emphasized by this sales making display card. It holds 12 No. 310 Mid-get Screw Drivers and is die cut so the light X-rays the handles showing how deeply the blades are imbedded. Easel back.

Size $10\frac{1}{2}$ " x $13\frac{1}{4}$ ".



Phillips Screw Drivers

Hardwood Handles—Alloy Steel Blades
For Four-Point Recessed Heads—Self-Centering

Specially designed for faster driving and better holding power and to accurately fit the tapered four-point recesses in the heads of Phillips screws and bolts.

The bits center automatically in the screw heads and very little downward pressure is required to hold them firmly in place because the four-point contact produces three times the driving force of the conventional type.

These Drivers cannot slip, break off screw heads nor cause damage to rich upholstery fabrics, fine beaded mouldings and highly finished accessories.

High quality hardwood varnished handles with polished Chrome Alloy Steel blades and nickel plated ferrules.

Catalog No.	Fits Phillips Screws	Length of Blade	Overall Length	Weight Per Doz. Lbs.	Ozs.
358	No. 4 & smaller	1	3	..	12
359	5 to 9 inc.	1½	3½	1	8
361	4 & smaller	3	6¼	1	..
362	5 to 9 inc.	4	8½	2	4
363	10 to 16 inc.	6	11	3	..
364	18 & larger	8	14½	6	..

6 to the box

SET No. 360, 1 each of Nos. 361, 362, 363 and 364. Weight 1 lb. 4 ozs.

SET No. 360½, 1 each of the 6 above Drivers. Weight 1 lb. 6 ozs.

Sets available in fibre box or pocket "Versilan" rolls. See price sheet.

Van-Chrome Offset Screw Drivers

Nickel Plated With Polished Blades
Hand Forged from Square Chrome Alloy Steel

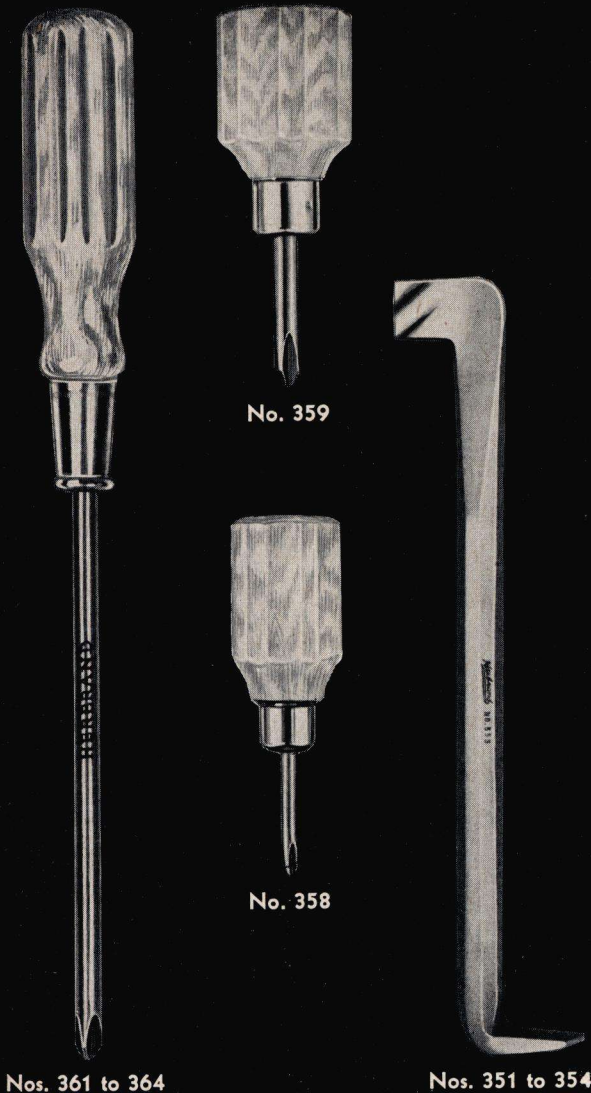
More practical and efficient because the bits are forged at a 45° angle. This special pitch engages screws in the most awkward places which are not accessible with the conventional type offset driver.

Catalog No.	Size Stock	Length	Weight Per Doz. Lbs.	Ozs.
351	3/16	4¼	..	9
352	¼	4¾	1	2
353	5/16	5½	1	14
354	3/8	6½	3	4
355	½	7	6	12

Packed six to the box

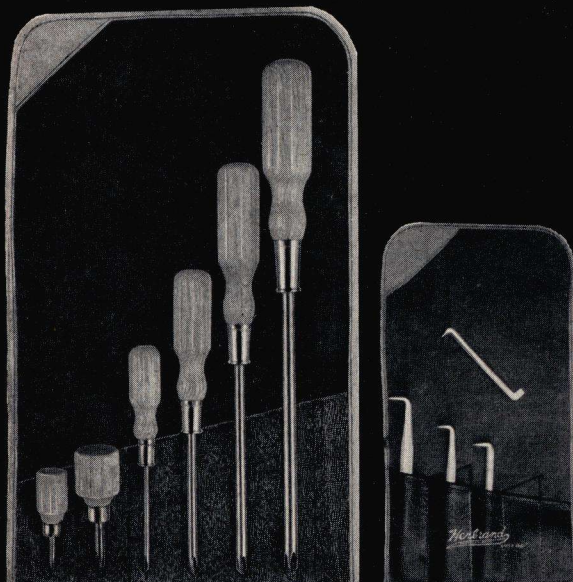
SET No. 350 Comprises one each of the above first four sizes, in attractive 4-pocket "Versilan" tool roll. Weight 14 ozs.

SET No. 350-5 One each of above 5 sizes, in attractive "Versilan" roll. Weight 1 lb. 4 ozs.



Nos. 361 to 364

Nos. 351 to 354



Set No. 360½

Set No. 350

Van-Chrome Punch and Chisel Sets

Chrome Alloy Steel

Carefully forged from octagon steel and designed for perfect balance, each Van-Chrome Punch and Chisel is branded with the Herbrand mark of distinction which is your guarantee of quality and service. Finished in rust-resisting satin nickel with blades polished.

The chief requisite of any punch and chisel is that it withstands the severe treatment expected of this type tool without damage or breakage. Herbrand Punches and Chisels are carefully forged from a special analysis of Alloy steel by craftsmen who are experts in their line.

Each "Van-Chrome" Punch and Chisel is designed for perfect balance and durability.

The sets shown on this page have through a period of many years proved to be the most popular as well as the most useful assortments. Now furnished in the New "Versilan" Kits.

Set No. C-3

Contains 1 each of Cold Chisels Nos. 402, 403 and 404. See page 36 for specifications. Packed in flannel lined "Versilan" pocket roll.

Weight 1 lb. 4 ozs.

Set No. C-5

Contains 1 each of Flat Chisels Nos. 402, 403, 404, 405 and 406, listed on page 36, in lined "Versilan" roll.

Weight 3 lbs. 11 ozs.

Set No. C-6

Contains 1 each of Chisels Nos. 401, 410, 420, 430 and No. 471 Center Punch described on pages 36 and 37, in "Versilan" roll.

Weight 11 ozs.

Set No. C-10

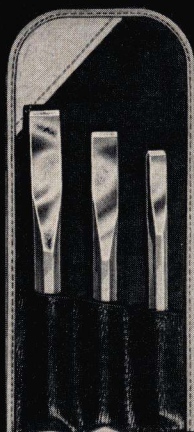
This Combination Punch and Chisel Assortment contains 1 each of assorted Punches Nos. 440, 441, 450, 470 and Flat Cold Chisel No. 400 in flannel lined "Versilan" roll.

Weight 9 ozs.

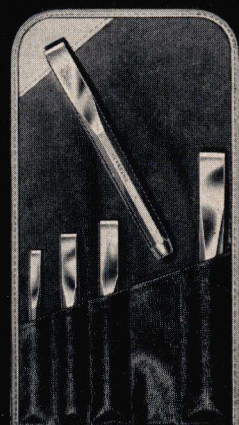
Set No. C-15

Super Punch and Chisel Set No. C-15 is a well balanced assortment of 15 of the most popular Punches and Cutting Tools, affording the mechanic a complete well rounded, all service set. It contains 1 each assorted Chisels Nos. 401, 402, 403, 410, 412, 421 and 431. Assorted Punches Nos. 443, 444, 445, 446, 451, 452, 553 and 471, listed on pages 36 and 37, in a flannel lined "Versilan" 15 pocket roll. Weight 3 lbs. 9 ozs.

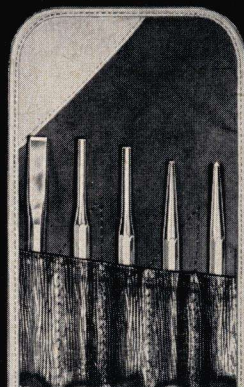
The new Herbrand Punch and Chisel Set, CB-102, is illustrated together with a complete listing of 102 individual punches, chisels and jimmy bars on page 75 of this catalog.



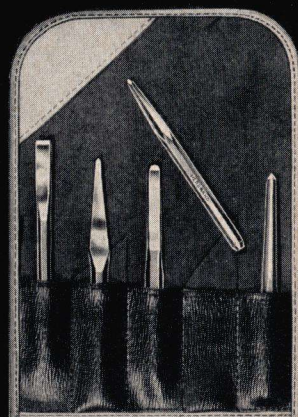
Set No. C-3



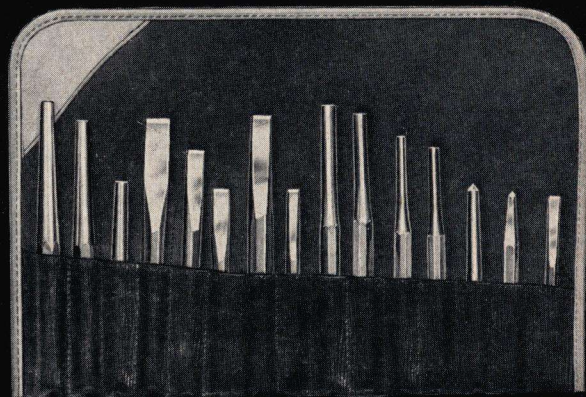
Set No. C-5



Set No. C-10



Set No. C-6



Set No. C-15

Van-Chrome Extra Quality Chisels

Drop Forged from Chrome Alloy Steel

Forged from the best steel adaptable to these tools and individually tempered with perfectly timed electrically controlled heat treatment. The cutting edges are bevelled at the correct angle to remain sharp under extreme abuse. They are so finely tempered that they may be redressed with a file yet stand up under the hardest usage. Satin nickel with polished blades.

Flat Cold Chisels

No.	Size Stock	Width of Edge	Length	Weight Per Doz.	
				Lbs.	Ozs.
400	$\frac{5}{16}$	$\frac{5}{16}$	5	1	2
401	$\frac{5}{16}$	$\frac{3}{8}$	5	1	8
402	$\frac{3}{8}$	$\frac{1}{2}$	6	2	4
403	$\frac{1}{2}$	$\frac{5}{8}$	6	4	8
404	$\frac{5}{8}$	$\frac{3}{4}$	7	6	12
405	$\frac{3}{4}$	$\frac{7}{8}$	8	10	8
406	$\frac{7}{8}$	1	9	18	

Cape Chisels

410	$\frac{5}{16}$	$\frac{1}{32}$	5	1	2
411	$\frac{3}{8}$	$\frac{5}{16}$	6	2	4
412	$\frac{1}{2}$	$\frac{3}{8}$	6	4	2

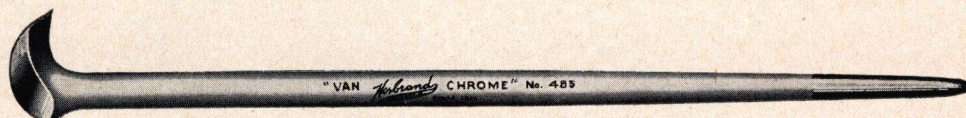
Gouge Chisels

420	$\frac{5}{16}$	$\frac{1}{32}$	5	1	2
421	$\frac{3}{8}$	$\frac{1}{4}$	6	2	4

Diamond Point Chisels

430	$\frac{5}{16}$	$\frac{5}{64}$	5	1	2
431	$\frac{3}{8}$	$\frac{1}{8}$	6	2	4

Packed 6 to the box.



Van-Chrome Multiuse Pry Bar No. 485

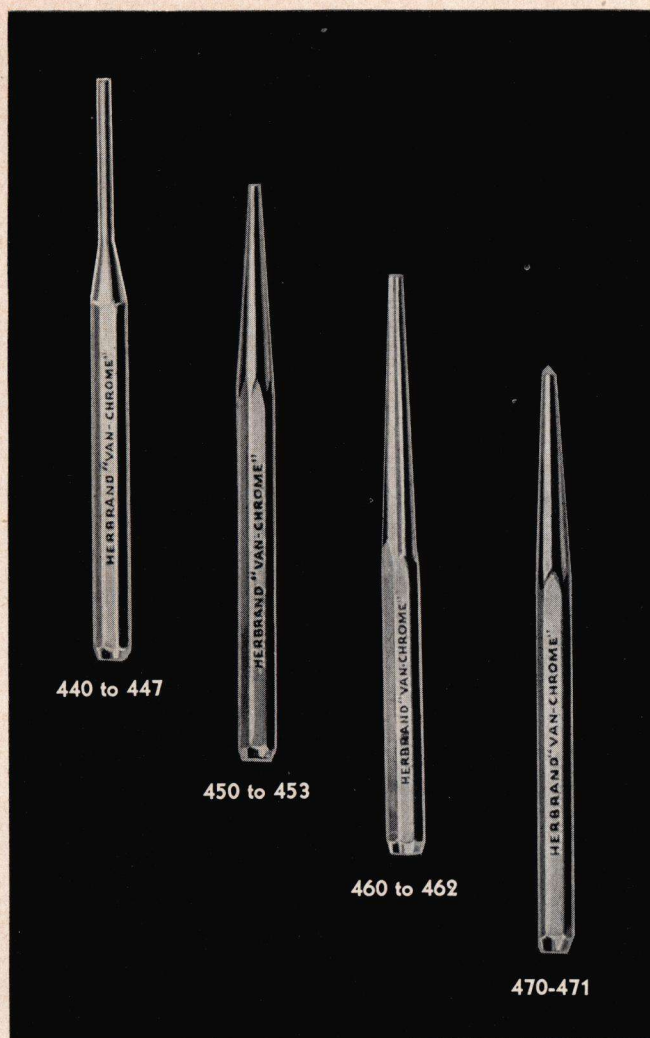
For All Kinds of Prying and Pulling Work

Drop Forged from Chrome Alloy Steel

The novel design of the forged head of this Pry Bar permits a great many uses never before found in any tool. It has all the utility of the older types plus additional value as a pry for taking off gears, bushings, bearings, grease caps, grease retainers, ball races and lifting cylinder heads. The tapered end can be used as a pry or for lining up body or fender bolt holes, motor

support bolt holes, body parts and the like. The 15" length gives good leverage for tough jobs and the scientifically designed head is engineered for a multiplicity of uses. Handsomely nickel plated and polished.

Length 15" Size stock $\frac{3}{16}$ ". Diameter of point $\frac{1}{4}$ ". Weight 1 lb. Packed 6 to the box.



Van-Chrome Punches Aligning and Pry Bars

Drop Forged from Chrome Alloy Steel

Constructed for strenuous driving, piercing and marking purposes—will retain their points permanently. Forged from the toughest Chrome Alloy Steel and scientifically heat treated for utmost endurance. Nickel plated and polished.

Pin Punches

No.	Stock Size	Diameter of Point	Length of Point	Length	Weight per Doz.	
					Lbs.	Ozs.
440	$\frac{5}{16}$	$\frac{1}{8}$	$1\frac{3}{4}$	$4\frac{1}{4}$	1	2
441	$\frac{5}{16}$	$\frac{5}{32}$	$1\frac{3}{4}$	$4\frac{1}{4}$	1	2
442	$\frac{5}{16}$	$\frac{3}{32}$	$1\frac{11}{16}$	$4\frac{1}{4}$	1	2
443	$\frac{5}{16}$	$\frac{5}{32}$	2	6	1	8
444	$\frac{3}{8}$	$\frac{3}{16}$	$2\frac{1}{2}$	$6\frac{1}{2}$	1	14
445	$\frac{3}{8}$	$\frac{7}{32}$	$2\frac{29}{32}$	$6\frac{7}{8}$	2	4
446	$\frac{3}{8}$	$\frac{1}{4}$	$3\frac{1}{4}$	7	2	4
447	$\frac{1}{2}$	$\frac{5}{16}$	$3\frac{5}{8}$	$7\frac{1}{2}$	4	8

Solid Taper Punches

No.	Size Stock	Diam. of Point	Taper	Length	Wt. Per Doz.	
					Lbs.	Ozs.
450	$\frac{5}{16}$	$\frac{1}{16}$	2	$4\frac{1}{2}$	1	2
451	$\frac{3}{8}$	$\frac{3}{16}$	$2\frac{1}{2}$	5	1	14
452	$\frac{1}{2}$	$\frac{1}{4}$	$3\frac{1}{4}$	6	3	12
453	$\frac{5}{8}$	$\frac{5}{16}$	$3\frac{1}{2}$	7	6	..

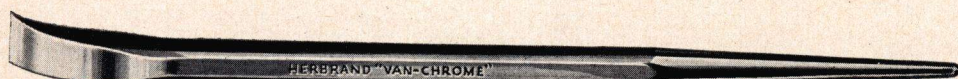
Long Taper Drift Punches

460	$\frac{3}{8}$	$\frac{1}{8}$	$3\frac{1}{2}$	8	2	4
461	$\frac{1}{2}$	$\frac{5}{32}$	$5\frac{3}{8}$	9	4	8
462	$\frac{5}{8}$	$\frac{1}{4}$	$5\frac{3}{8}$	11	9	..

Center Punches

470	$\frac{5}{16}$	$\frac{1}{8}$	2	$4\frac{1}{2}$	1	2
471	$\frac{3}{8}$	$\frac{7}{32}$	$1\frac{3}{4}$	$4\frac{1}{2}$	1	14

Packed 6 to the box.



Van-Chrome Jimmy and Aligning Bars

Plated and Polished

Forged from Chrome Alloy Steel

Invaluable for prying, alignment work and many other purposes. One end has a long, sharp pointed taper, the other end has a sharp curved leverage blade. Forged from the finest alloy steel available, hardened and tempered by a special process to insure toughness. Herbrand Jimmy Bars are made to "take it" and meet a maximum of abuse. Nickel plated, polished points.

Jimmy and Aligning Bars

No.	Size Stock	Diameter of Point	Length	Weight Per Doz.	
				Lbs.	Ozs.
480	$\frac{1}{2}$	$\frac{1}{8}$	12	6	12
481	$\frac{5}{8}$	$\frac{5}{32}$	16	13	8
482	$\frac{3}{4}$	$\frac{1}{4}$	20	24	12

Packed 6 to the box.

Refer to Page 35 for Complete Punch and Chisel Sets

Herbrand



New Van-Chrome Master Tappet Wrenches

Bar Design for Rigid Strength—9 1/2" Long

Drop Forged from Triple Alloy Steel

The bar design of the paneled handles not only strikes a note of beauty but has been so scientifically blended into the heads of the wrench that extra strength and rigidity, so much desired by mechanics, is actually imparted. Chrome plated and polished.

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Thick-ness Heads	L'gth	Weight Per Doz. Lbs. Ozs.
T-21	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	11/64	9 1/2	2 4
T-22	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	3/16	9 1/2	3 3
T-23	5/8 & 11/16	3/8	7/16	7/16	13/64	9 1/2	3 12
T-24	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/32	9 1/2	4 8

Packed 6 to the box.

SET No. T-40, two each of Nos. T-22 and T-23. Weight 14 oz.

SET No. T-80, two each of the 4 wrenches above. Weight 2 lbs.

The 9 1/2 inch length of all these wrenches is recommended by engineers as the proper length for general all-round tappet adjusting work. Thin and narrow pear-shaped heads of carefully gauged thickness are scientifically balanced with the tappet nuts for speedy action, the greatest degree of accuracy, and to avoid overlapping. The 15° angle opening has proved to be the best pitch under most conditions. Openings are precision machined to the correct depth to firmly grip the tappet nuts and permit the maximum turning radius without interference from the motor block.



Van-Chrome Tappet Wrenches

Double End—15° Angle

Drop Forged from Triple Alloy Steel

Wr. No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Thick-ness Heads	L'gth	Weight Per Doz. Lbs. Ozs.
H-1	7/16 & 17/32	...	1/4	1/4	5/32	7 1/4	1 8
H-2	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5/32	8	1 14
H-3	5/8 & 11/16	3/8	7/16	7/16	7/32	8	3 3
H-4	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/32	9	4 6

Packed 6 to the box.

SET No. H-70, two each of Nos. H-2 and H-3. Weight 13 ozs.

SET No. H-75, two each of Nos. H-1, H-2 and H-3. Weight 1 lb.

SET No. H-80, two each of Nos. H-1, H-2, H-3, H-4. Wt. 1 3/4 lb.

These moderately priced Tappet Wrenches have nation-wide acceptance and in the face of all competition they still stand supreme. They have long, narrow pointed jaws set at just the proper pitch to engage the tappet nuts readily at an angle most convenient for efficient adjustment.

H-2 and H-3, commonly used for most adjustments, are made in equal lengths but with different graduated openings.

Finished in permanent nickel with mirror polished heads and satin finished grips.

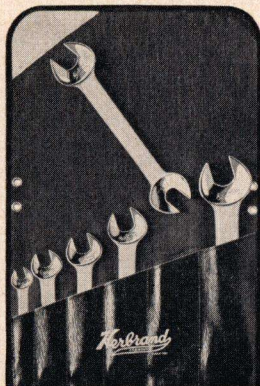
All Tappet Wrench Sets Are Available in Fibre Boxes or Pocket "Versilan" Tool Rolls. See price sheet.



Van-Chrome Open-End Wrenches

15° Angle Pattern—Light—Thin—Long—Strong

Drop Forged from Triple Alloy Steel



Set No. 1025E

The pointed jaws and thin, narrow heads offer wide accessibility and the extra length provides greater leverage. A perfect fit on nuts is assured because the openings are accurately machined to exact tolerances and they will not slip under the hardest pull.

Nickel plated with satin finished grips and polished heads.

SET No. 1021E, one each of Nos. 1021S, 1723, 1725B, 1027B, 1731, 1033A. Weight 2 lbs. 4 ozs.

SET No. 1023E, one each of Nos. 1021S, 1723, 1725B, 1729, 1029, 1731B, 1033C. Weight 3 lbs. 14 ozs.

SET No. 1025E, one each of Nos. 1723, 1025, 1727, 1029, 1731A, 1033C. Weight 3 lbs. 4 ozs.

SET No. 1027E, one each of Nos. 1021S, 1720, 1723, 1025, 1727, 1029B, 1031B, 1033A, 1735, 1037. Weight 6 lbs.

All sets listed above packed in the new "Versilan" tool rolls.

Wrench No.	Nominal Openings	For Amer. Std. Light Nuts (SAE)	Thickness Heads	Length	Weight Per Doz.	
					Lbs.	Ozs.
1021S	$\frac{1}{4} \times \frac{5}{16}$	$\frac{3}{16}$	5	1	..
1720	$\frac{5}{16} \times \frac{11}{32}$	.....			
1721	$\frac{5}{16} \times \frac{3}{8}$	.....			
1723	$\frac{3}{8} \times \frac{1}{16}$	.. $\frac{1}{4}$			
1725	$\frac{7}{16} \times \frac{1}{2}$	$\frac{1}{4} \times \frac{5}{16}$	$\frac{15}{64}$	$6\frac{1}{2}$	2	4
1725A	$\frac{7}{16} \times \frac{9}{16}$	$\frac{3}{4} \times \frac{3}{8}$				
1725B	$\frac{1}{2} \times \frac{9}{16}$	$\frac{5}{16} \times \frac{3}{8}$	$\frac{15}{64}$	$6\frac{1}{2}$	2	4
1025	$\frac{1}{2} \times \frac{19}{32}$	$\frac{5}{16}$..				
1727	$\frac{9}{16} \times \frac{5}{8}$	$\frac{3}{8} \times \frac{7}{16}$	$\frac{17}{64}$	$7\frac{1}{4}$	3	6
1027	$\frac{19}{32} \times \frac{11}{16}$	.....			
1027B	$\frac{5}{8} \times \frac{11}{16}$	$\frac{7}{16}$..				
1028	$\frac{19}{32} \times \frac{25}{32}$	$\frac{19}{64}$	$8\frac{5}{16}$	5	10
1729	$\frac{5}{8} \times \frac{3}{4}$	$\frac{7}{16} \times \frac{1}{2}$				
1029B	$\frac{11}{16} \times \frac{3}{4}$	.. $\frac{1}{2}$			
1029	$\frac{11}{16} \times \frac{25}{32}$	.....			
1029C	$\frac{11}{16} \times \frac{13}{16}$	.....			
1731	$\frac{3}{4} \times \frac{13}{16}$	$\frac{1}{2}$..	$\frac{23}{64}$	$9\frac{3}{8}$	7	8
1731A	$\frac{3}{4} \times \frac{7}{8}$	$\frac{1}{2} \times \frac{9}{16}$				
1031B	$\frac{25}{32} \times \frac{13}{16}$	.. ..			
1031	$\frac{25}{32} \times \frac{7}{8}$	.. $\frac{9}{16}$			
1731B	$\frac{13}{16} \times \frac{7}{8}$	.. $\frac{9}{16}$			
1032B	$\frac{13}{16} \times \frac{15}{16}$.. $\frac{5}{8}$	$\frac{27}{64}$	$10\frac{3}{4}$	12	6
1033A	$\frac{7}{8} \times \frac{15}{16}$	$\frac{9}{16} \times \frac{5}{8}$				
1733	$\frac{7}{8} \times 1$	$\frac{9}{16} \times \frac{11}{16}$				
1033C	$\frac{15}{16} \times 1$	$\frac{9}{8} \times \frac{11}{16}$				
1034	$\frac{7}{8} \times \frac{11}{16}$	$\frac{9}{16} \times \frac{3}{4}$				
1034A	$\frac{15}{16} \times \frac{11}{16}$	$\frac{5}{8} \times \frac{3}{4}$	$\frac{31}{64}$	$12\frac{1}{4}$	18	..
1735	$1 \times 1\frac{1}{8}$	$\frac{11}{16}$..				
1036B	$\frac{11}{16} \times 1\frac{1}{8}$	$\frac{3}{4}$..				
1037	$\frac{11}{16} \times 1\frac{1}{4}$	$\frac{3}{4} \times \frac{7}{8}$				
1737	$1\frac{1}{8} \times 1\frac{1}{4}$	.. $\frac{7}{8}$			
1037A	$1\frac{1}{8} \times 1\frac{5}{16}$				

Packed 6 to the box.

NOTE—In accordance with Simplified Practice Recommendation R220-46, National Bureau of Standards, U.S. Department of Commerce, the following Herbrand Alloy Engineers' Wrenches are no longer manufactured as standard stock items, but may be obtained on special order.

No.	Openings	No.	Openings
1021	$\frac{5}{16} \times \frac{13}{32}$	1728	$\frac{9}{16} \times \frac{3}{4}$
1722	$\frac{5}{16} \times \frac{7}{16}$	1028S	$\frac{5}{8} \times \frac{25}{32}$
1023	$\frac{13}{32} \times \frac{1}{2}$	1030	$\frac{11}{16} \times \frac{7}{8}$
1723A	$\frac{3}{8} \times \frac{1}{2}$	1033	$\frac{7}{8} \times \frac{31}{32}$
1726	$\frac{1}{2} \times \frac{5}{8}$	1035	$\frac{31}{32} \times 1\frac{1}{16}$
1027C	$\frac{9}{16} \times \frac{11}{16}$	1736	$1 \times 1\frac{1}{4}$

Special Wrenches may be obtained as heretofore. Prices on application.

Herbrand



Van-Chrome Obstructo Wrenches

45° and 90° Angle Heads

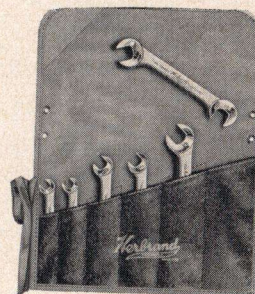
Drop Forged from Triple Alloy Steel

The thin heads and narrow pointed jaws of this wrench reach around obstructions and move hidden nuts or bolts with a firm sure grip in positions that ordinary wrenches cannot reach. Finished in satin nickel and the heads are polished.

Wrench No.	Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Thickness Heads	Length	Weight Per Doz.	
1821	3/8	..	3/16	..	11/64	5 1/2	1	..
1823	7/16	..	1/4	1/4	11/64	5 1/2	1	..
1825	1 1/2	1/4	5/16	5/16	13/64	6 1/2	1	14
1827	9/16	..	3/8	3/8	13/64	6 1/2	1	14
1829	5/8	..	7/16	7/16	15/64	7 1/2	2	10
1831	3/4	..	1/2	1/2	15/64	7 1/2	3	..

Packed six to the box.

SET No. 1836, one each of the above in "Versilan" tool roll. Weight 1 lb. 3 ozs.



Set No. 1836

Both offset ends of each wrench carry the same opening with one head set at 45°, the other at 90° angles. Brake adjustments, carburetor, manifold and steering gear work, starter nuts and the like, respond speedily to the positive pull of these wrenches.



Van-Chrome Multiflex Box Wrenches

Swivel Heads

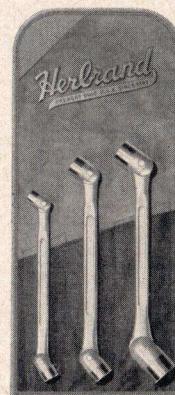
Drop Forged from Triple Alloy Steel

True to its name the Multiflex is both flexible and serves a multitude of uses, because it adjusts instantly to any angle. The swivel heads break over to 90°, are equipped with compression springs to retain any working position desired, and handle nuts and bolts even at the most awkward angles. Satin nickel finish with brightly polished heads.

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz.	
6823	3/8 & 7/16	.....	3/16 & 1/4	.. 1/4	7 3/8	4	8
6825	1/2 & 9/16	1/4 ..	5/16 & 3/8	5/16 & 3/8	8 3/4	6	..
6827	5/8 & 3/4	.....	7/16 & 1/2	1/16 & 1/2	9	8	4

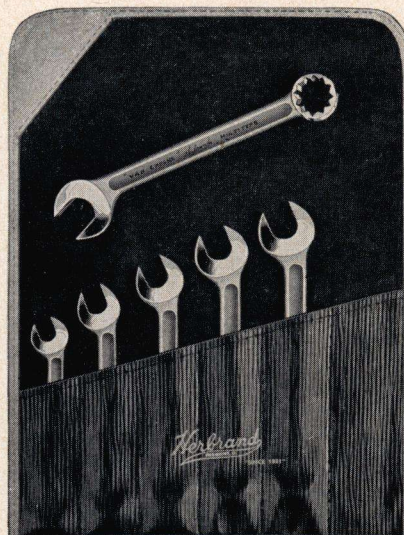
Ideal for universal joints. Packed six to the box.

SET No. 6821, 1 each of 6823, 6825, 6827. In "Versilan" tool roll. Weight 1 lb. 6 ozs.



Set No. 6821

With all the ability and free leverage of a solid wrench, yet working easily around interfering parts, the Multiflex reaches concealed nuts with a grip that eliminates the hazard of slipping and skinning knuckles or rounding corners of nuts and bolts. The forged extra deep 12-point sockets and very thin, straight walls give maximum clearance and readily engage those sunken nuts which are not accessible to ordinary wrenches.



Set No. 1227

The new "Van-Chrome" Multi-type is a dual-purpose wrench combining in one tool two types of openings—box and open end. The advantages instinctively appeal to every mechanic because the handy and practical combination of different type openings equip him for most emergencies. If one style opening is not adapted to the particular job simply flip the wrench over and use the other end.

These general service wrenches find a wide range of use and are especially adaptable for carburetor, manifold, clutch, generator and starter work.

The box end, with its 12-point opening, is offset at 15° to give the proper clearance for obstructions and knuckles. The open end is angled at 22½° for efficiency. Each end has the same size openings. Handles are panelled for a firm grip, and ease of handling.

The fourteen popular sizes in which these wrenches are made cover at least 98 per cent of general service work. Drop forged from special analysis Triple Alloy Steel, accurately machined and heat treated all over for super-strength. Chrome plated with heads polished to a high lustre.

Available in four different popular sets that meet every demand.

Van-Chrome Multitype Wrenches

Combination Box and Open End

Drop Forged from Triple Alloy Steel

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	
1212	3/8	..	3/16	..	4½	1	2
1214	7/16	..	1/4	1/4	5	1	5
1216	1/2	1/4	5/16	5/16	5½	1	8
1218	9/16	..	3/8	3/8	6	2	1
1220	5/8	..	7/16	7/16	6½	2	10
1222	11/16	3/8	..	..	7	3	6
1224	3/4	..	1/2	1/2	7½	4	6
1226	13/16	..	9/16	..	8¾	6	1
1228	7/8	1/2	5/8	9/16	10½	6	6
1230	15/16	..	..	5/8	12¼	7	2
1232	1	..	¾	11/16	14½	15	10
1234	1 1/16	5/8	..	¾	14½	15	10
1236	1 1/8	..	7/8	..	17	31	..
1240	1 1/4	¾	1	7/8	17	31	..

Packed 6 to the box.

SET No. 1225, 1 each Nos. 1214, 1216, 1218 and 1220. Wt. 12 ozs.

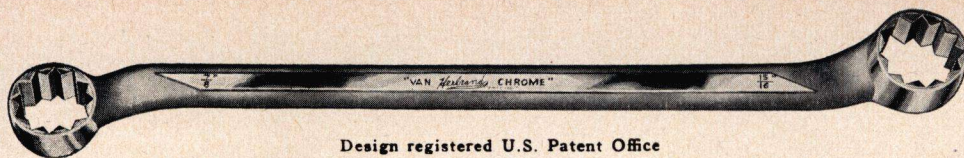
SET No. 1227, 1 each of the 6 sizes Nos. 1214 to 1224 inclusive. Weight 1 lb. 6 ozs.

SET No. 1229, 1 each of 10 sizes. Nos. 1212 to 1230. Weight 2 lbs. 12 ozs.

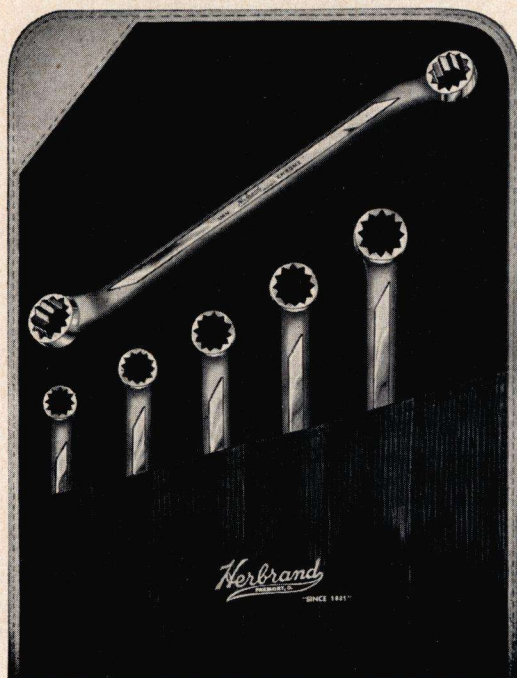
SET No. 1231, 1 each of 12 sizes, Nos. 1212 to 1234. Wt. 5 lbs.

All sets listed are available in substantial fibre boxes or "Versilan" pocket tool rolls. Refer to price schedule.

Herbrand



Design registered U.S. Patent Office



Set No. 3901

Van-Chrome Ultra Box Wrenches

Modern—Special 30° Angle—Paneled Handles

Drop Forged from Triple Alloy Steel

Scientifically heat treated for life-time service. Handsomely plated in lustrous chromium with heads polished to mirror brightness.

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz.	
3923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{5}{16}$ & $\frac{1}{4}$	.. $\frac{1}{4}$	6 $\frac{1}{2}$	1	10
3925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	7 $\frac{9}{16}$	2	4
3927	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	8 $\frac{5}{8}$	3	6
3929	$\frac{5}{8}$ & $\frac{11}{16}$	.. $\frac{3}{8}$	$\frac{7}{16}$..	$\frac{7}{16}$..	9 $\frac{11}{16}$	4	8
3931	$\frac{3}{4}$ & $\frac{13}{16}$	.....	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$..	10 $\frac{7}{8}$	6	12
3933	$\frac{7}{8}$ & $\frac{15}{16}$	$\frac{1}{2}$..	$\frac{9}{8}$..	$\frac{9}{16}$ & $\frac{5}{8}$	12 $\frac{1}{4}$	8	10

Extra Long

*3935	1 & $1\frac{1}{16}$	.. $\frac{5}{8}$	$\frac{3}{4}$..	$1\frac{1}{16}$ & $\frac{3}{4}$	16	16	8
*3937	$1\frac{1}{8}$ & $1\frac{1}{4}$	.. $\frac{3}{4}$	$\frac{7}{8}$ & 1	.. $\frac{7}{8}$	18	25	8
*3938	$1\frac{5}{16}$ & $1\frac{3}{8}$	.. ..	.. $1\frac{1}{8}$	.. ..	20	36	..
*3939	$1\frac{7}{16}$ & $1\frac{1}{2}$	$\frac{7}{8}$ ..	.. $1\frac{1}{4}$	1 ..	20	36	..

* Do not have embossed panel design.

Packed 6 to the box.

SET No. 3901 contains 6 wrenches, one each of Nos. 3923 to 3933.

SET No. 3902, one each of Nos. 3923, 3925, 3929, 3931, 3933.

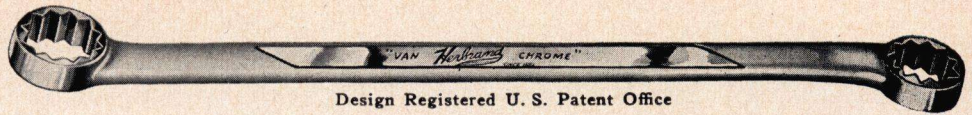
Sets listed can be purchased in substantial fibre boxes or attractive "Versilan" tool rolls. See price schedule.

Ultra in name, ultra in modern design, these wrenches are the utmost in versatility and offer the broadest scope of service. Herbrand introduces them after working extensively with mechanics in order to develop a box wrench to the highest degree of perfection, efficiency and better adapted to the service of modern cars.

Low and close clearances offer no difficulties of accessibility because the heads are distinctively angled at approximately 30 degrees. This new angle assures perfect clearance for both knuckles and head bolts but retains sufficient offset to reach countersunk or imbedded nuts with ample leverage for a strong pull and without any possibility of tilting. The extremely thin side walls of the 12-point openings are machined to exacting tolerances to snugly fit bolt heads or nuts for which they are sized. Chamfered both top and bottom so that either side may be used with equal facility, they locate and engage automatically.

Painstakingly engineered to a very definite formula for perfect graduation and balance of length, size openings and clearance on today's compact motors. Beauty of appearance and perfect comfort of grip have been combined in the raised bar design which readily marks them as quality tools of distinction.

Individually drop forged from the finest Triple Alloy Steel.



Design Registered U. S. Patent Office

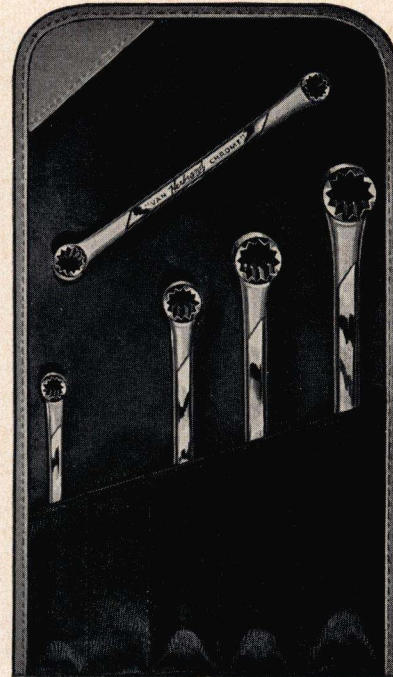
Engineered with the greatest care and precision, this new style 10° angle wrench is built for perfect balance, ease of accessibility, maximum application and strength and gives the mechanic a new, modern box wrench that will out-perform any of its type.

A broad study of the exacting requirements and concentrated engineering have perfected this wrench to successfully cope with the complicated service problems encountered on the highly developed cars of today.

The heads are designed with a chamfer, both top and bottom, so that either side engages the nuts equally well in any position and the 12-point, thin side wall openings are precisely machined for a full, secure grip that will not slip. The angle of the handle affords generous clearance with the easy reach of a straight wrench and applies a powerful, direct force avoiding tilting, slipping and bruising of knuckles.

The distinctive, raised paneled handles identify them as the Ultra in the box wrench field. The length of the handles are carefully graduated to balance with the opening sizes for perfect coordination of clearance and pull.

Precision drop forged from special Triple Alloy Steel and toughened by exacting heat treating methods. Attractively chrome nickel plated with bright panels and mirror polished heads.



Set No. 5920

Van-Chrome Ultra Box Wrenches

Latest—Special 10° Angle—Paneled Handles

Drop Forged from Triple Alloy Steel

Available in five sizes with 12-point different openings in each end, extra thin side walls, balanced graduated lengths, and openings chamfered both top and bottom for use from either side. Supplied individually or in complete sets.

Heat treated their entire length for durability under all conditions. Smoothly ground, nickel plated with bright panels and polished heads.

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.
5923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	.. $\frac{1}{4}$	6 $\frac{1}{2}$	1 10
5925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$..	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	7 $\frac{1}{2}$	2 ..
5927	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	8 $\frac{5}{8}$	3 2
5929	$\frac{11}{16}$ & $\frac{3}{4}$	$\frac{3}{8}$	.. $\frac{1}{2}$	.. $\frac{1}{2}$	9 $\frac{3}{4}$	4 4
5931	$\frac{13}{16}$ & $\frac{7}{8}$	.. $\frac{1}{2}$	$\frac{7}{16}$ & $\frac{5}{8}$	.. $\frac{9}{16}$	11	6 12

Packed 6 to the box.

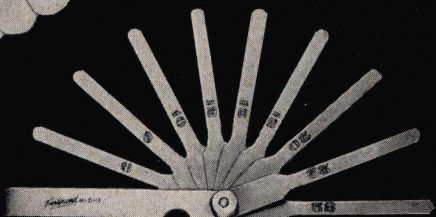
SET No. 5920 contains one each of the above five wrenches.

Weight 1 lb. 6 ozs. Available in fibre box or "Versilan" roll.

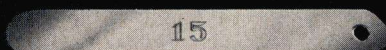
Herbrand



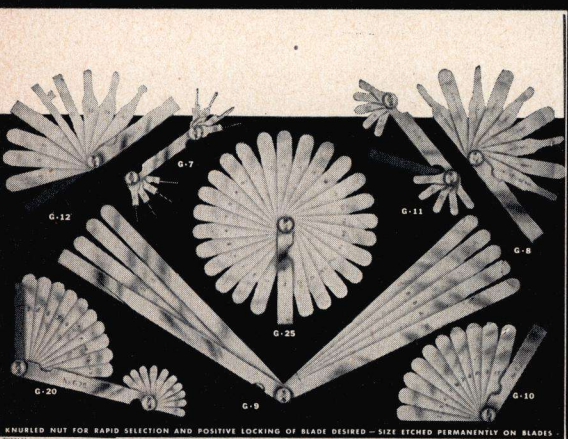
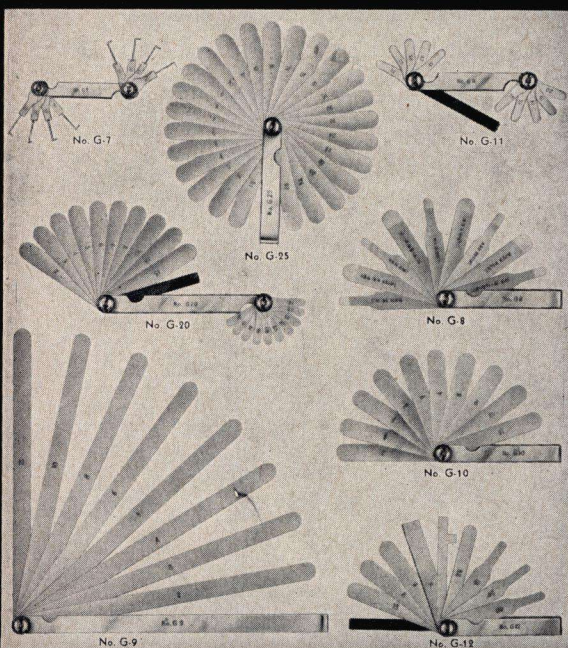
No. G-20



No. G-14



Extra Blades G-.0015 to G-.035



Display Card No. G-1

Van-Chrome Feeler Gauges

Tested for Accuracy and Temper

Imported Swedish Steel

For dependable accuracy feeler gauges must be made from the finest grade materials, properly hardened and tempered. "Van-Chrome" Thickness Gauges are made with the greatest precision from the finest grade of imported Swedish Steel, scientifically hardened and tempered to withstand wear. Each blade is tested to insure the exact thickness to a minute degree.

All Herbrand Thickness Gauges are equipped with knurled locknuts which release the blades instantly for rapid selection of size desired, and when tightened lock the individual blade into the working position, retaining the blades not in use firmly in the handle. Sizes are permanently etched on each blade.

Types and Sizes

No. G-7, Spark Plug Wire Gauge, the latest development for accurate spark plug spacing. 8 wire gauges $1\frac{3}{4}$ " long;—.022; .025; .028; .030; .032; .035; .038; .040 and a spark plug electrode tool. Ends of wires are turned at 90° to set electrodes recessed below the shell.

No. G-8, Special Ford Gauge for all models. 10 sizes with GO-NO-GO feature $3\frac{1}{2}$ " long:—.025 and .035 plug; .013 valve; .014 valve; .014 distributor; .015 valve; .016 distributor; .017 valve; .022 distributor; .022 valve.

No. G-9, Extra long Feeler Gauge for Pistons, etc. 8 sizes 9" long:—.002; .003; .004; .005; .006; .008; .010; and .015.

No. G-10 Standard Feeler Gauge Containing 10 sizes $3\frac{1}{2}$ " long:—.002; .003; .004; .005; .006; .007; .008; .010; .012; and .015.

No. G-11, Ignition Gauge, short narrow blades for ignition, distributor points and spark plugs: 10 sizes $1\frac{9}{16}$ " long and a 3" point file:—.012; .013; .014; .018; .020; .022; .025; .028; .032; and .035.

No. G-12, Special Chevrolet Gauge for valves and ignition; 9 blades $3\frac{1}{2}$ " long:—.006; .008; .013; .015; .018; .024; .032; .035; .040 one 3" scale; one 3" file, and a spark plug electrode tool.

No. G-14, Brake Adjusting Gauge for correct clearance between brake and shoe. 9 sizes 4" long:—.006; .008; .010; .012; .015; .018; .020; .022; and .032.

No. G-20, General Purpose Gauge for tappet and ignition work—most universal gauge on the market; 10 blades $1\frac{1}{2}$ " long; 10 blades $3\frac{1}{2}$ " long and a 3" point file:—short blades, .012; .013; .014; .018; .020; .022; .024; .025; .028; .032—long blades: .002; .003; .004; .005; .006; .007; .008; .010; .013; .015.

No. G-25, Universal Master Gauge with full range of spacers: 25 blades $3\frac{1}{2}$ " long:—.0015; .002; .003; .004; .005; .006; .007; .008; .009; .010; .011; .012; .013; .014; .015; .016; .018; .020; .022; .024; .025; .028; .030; .032; and .035.

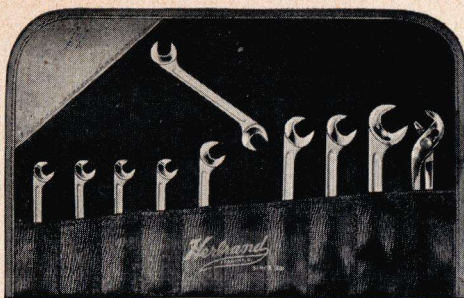
Extra Blades for Replacement

Available in the popular range of thicknesses, size $\frac{1}{2}$ " x $3\frac{1}{2}$ " with hole for insertion in gauges. Fit most any holder—sizes etched on blades:

G-0015; G-002; G-004; G-006; G-008; G-013; G-015; G-018; G-024; G-025; G-032; G-035. 6 to the envelope which is the minimum quantity sold.

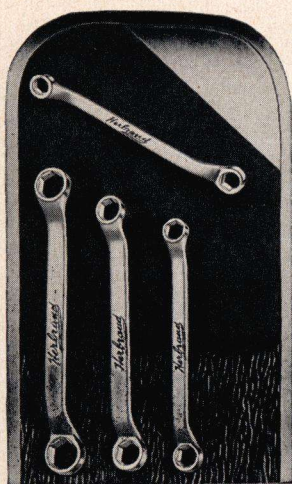
Display Card No. G-1 temporarily discontinued.

Herbrand



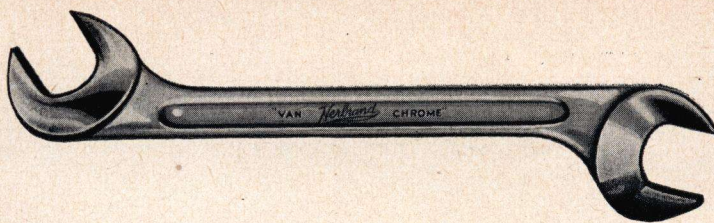
Set No. 99

Feather lightness with amazing strength marks "Van-Chrome" Electrical Wrenches as the handiest for tricky carburetor and ignition jobs. They have different openings on each end, yet each size is duplicated on a separate wrench at a different angle assuring accessibility to miniature nuts under all conditions. Ignition experts designed these wrenches for greater efficiency on magnetos, coils, ignition, distributors, ammeters or any small nuts such as radio and electrical appliances. These wrenches are *Drop Forged* and not cheap stampings. They are accurately machined and heat treated.



Set No. 70

The 8 opening sizes in this set of four Midget Box Wrenches are necessary to handle the popular sizes of small nuts.



Electrical and Ignition Wrenches

15° and 60° Angle Heads

Drop Forged from Triple Alloy Steel

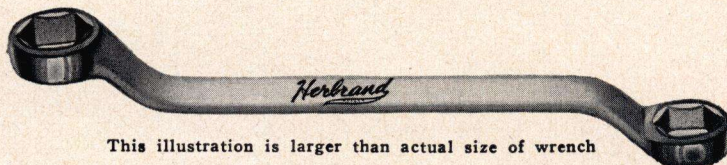
Wrench No.	Size Openings		Thickness Heads	Length	Weight Per Doz. Ounces
	15° Angle	60° Angle			
81	13/64	13/64	7/64	3	3
82	15/64	13/64	7/64	3	3
83	7/32	1/4	7/64	3	3
84	1/4	7/32	7/64	3	3
85	9/32	5/16	1/8	3 1/2	6
86	5/16	9/32	1/8	3 1/2	6
87	11/32	3/8	9/64	4	9
88	3/8	11/32	9/64	4	9
89	7/16	1/2	11/64	4 1/2	12

Packed twelve to the box.

SET No. 97, one each Nos. 81, 82, 83, 84, 85, 86, 87. Weight 4 1/2 ozs. In flannel lined pocket "Versilan" roll.

SET No. 98 contains one each of Wrenches Nos. 81, 83, 85, 87 and 89. Ignition Plier No. 167. Ignition Screw Driver No. 310 and Ignition Feeler Gauge with 10 short narrow blades and point file, No. G-11. Weight 8 ozs. In flannel lined "Versilan" case.

SET No. 99 contains one each of the nine wrenches in above table and the No. 167 Midget Plier illustrated on page 28. Weight 7 1/2 ozs. In flannel lined pocket "Versilan" case.



This illustration is larger than actual size of wrench

Midget Box Wrenches

For Electrical and Ignition Work

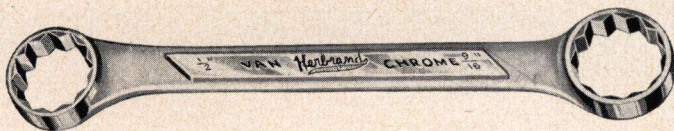
Drop Forged from Triple Alloy Steel

Herbrand Midgets are accurately broached with 6-point openings for perfect engagement of small nuts and both ends are offset for easy clearance of obstructions. Lengths are correct for perfect balance. Chrome plated, polished heads.

Wrench Number	Size Openings	Length	Weight Per Doz. Ounces
71	3/16 & 13/64	27/8	3
72	7/32 & 15/64	3 1/8	3
73	1/4 & 9/32	3 3/8	6
74	5/16 & 11/32	3 3/4	9

Packed twelve to the box.

SET No. 70, containing one each of the above 4 wrenches in a flannel lined "Versilan" roll.



Van-Chrome Ultra Box Wrenches

Improved Short 15° Angle Pattern—Paneled Handles

Drop Forged from Triple Alloy Steel

Careful drop forging from select Triple Alloy Steel, expert heat treatment, precision machining and paneled handles immediately identifies these Ultra Box Wrenches as super-quality tools of distinction. Triple plated in a two-tone chrome nickel with the heads polished to a high lustre.

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	
6923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	.. $\frac{1}{4}$	$4\frac{1}{4}$	1	2
6925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$..	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	5	1	14
6927	$\frac{5}{8}$ & $\frac{11}{16}$	.. $\frac{3}{8}$	$\frac{7}{16}$..	$\frac{7}{16}$..	$5\frac{3}{4}$	2	10

Packed 6 to the box.

SET No. 6920, contains one each of the above. Weight 8 ozs.

Designs Registered U. S. Patent Office



Van-Chrome Ultra Box Wrenches

Improved Short Offset Pattern—Paneled Handles

Drop Forged from Triple Alloy Steel

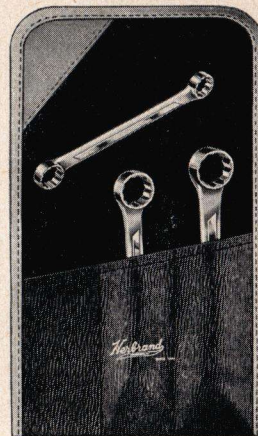
Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	
4923	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	.. $\frac{1}{4}$	$4\frac{1}{2}$	1	2
4925	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$..	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	$5\frac{1}{4}$	1	14
4927	$\frac{5}{8}$ & $\frac{11}{16}$	.. $\frac{3}{8}$	$\frac{7}{16}$..	$\frac{7}{16}$..	6	3	..

Packed 6 to the box.

SET No. 4920, contains one each of the above. Weight 10 ozs.

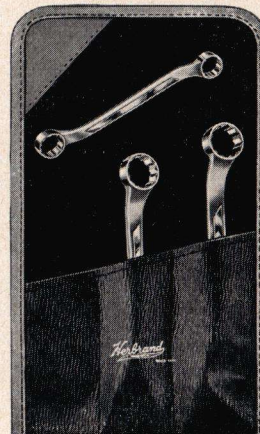
Sets described are obtainable in fibre boxes or handy pocket "Versilan" tool rolls. See price sheet.

See page 39 for Midget Box Wrenches



Set No. 6920

The national recognition and acceptance accorded the new Ultra Box Wrenches introduced by Herbrand has created a demand for a complete range of patterns. This new 15° angle design is a distinct engineering improvement; has slim, graceful lines, maximum accessibility, is faster in service and easier to handle.



Set No. 4920

Another Ultra Box Wrench with modified offset heads which is extremely practical and necessary for awkwardly placed nuts where the turning radius is limited. Distinguished by the paneled handles and refined engineering features, this wrench is precision built from the finest steel and attractively finished in two-tone chrome plate with polished heads.

A real time-saving tool that replaces many special, costly wrenches. Combines 12-point popular openings of $\frac{5}{8}$ " and $\frac{9}{16}$ ". The $\frac{5}{8}$ " opening fits Buick, some models of Chevrolet, Studebaker, Pontiac Six and Pontiac Eight starter nuts, also Buick manifold. The $\frac{9}{16}$ " opening fits nuts on Buick heat trap and carburetor, Hudson starter and the manifold nuts on Chevrolets; Oldsmobile 6 and 8, Ford V-8's, Pontiac 6 and 8, and other cars.



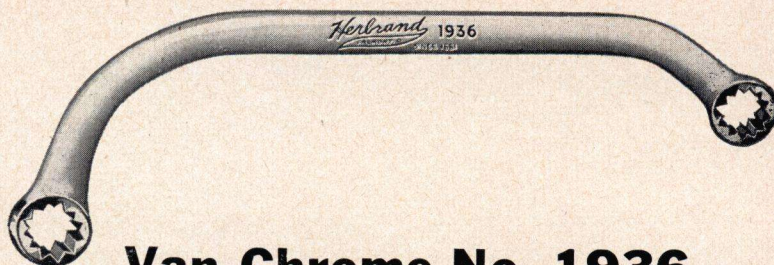
Combining the two popular 12-point openings, $\frac{5}{8}$ " and $\frac{3}{4}$ ", this new special bend wrench clears all obstructions for immediate contact with the nuts on the starter motor housing on all Chevrolet models. The $\frac{5}{8}$ " opening takes care of the nuts on many early models and the $\frac{3}{4}$ " end handles later models. The unusual contour, extra deep bends and popular combination of openings adapt this wrench to many applications. Satin nickel.



Designed to service the exhaust manifold and starter nuts on late model Chrysler built cars, where ordinary wrenches are useless.

The $\frac{9}{16}$ " opening is angled to fit the exhaust manifold nuts and has been made extra thin for easy engagement and ample clearance.

The $\frac{5}{8}$ " opening fits the starting motor nuts and the unusual bend clears the steering column control rods and obstructions that interfere with ordinary wrenches.

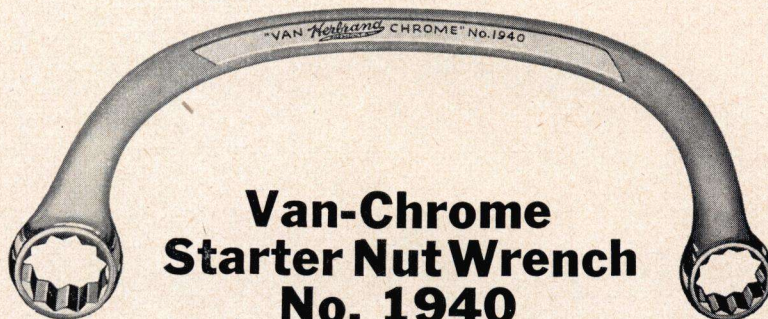


Van-Chrome No. 1936 Starter and Manifold Wrench

For Fords, Chevrolet, Buick, Pontiac, Hudson, Olds, Etc.

Drop Forged from Triple Alloy Steel

12-point openings $\frac{9}{16}$ " and $\frac{5}{8}$ ". Satin nickel, polished heads. Length 8". Weight 5 ozs. 6 to the box.

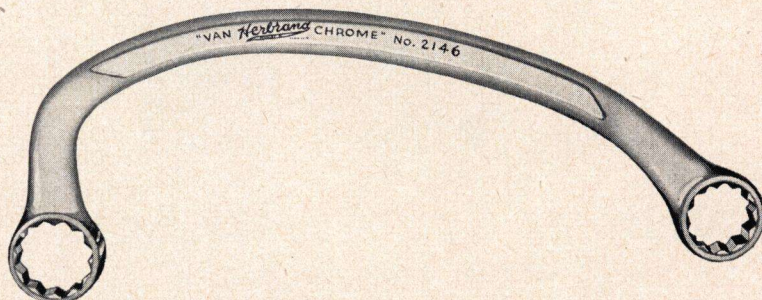


Van-Chrome Starter Nut Wrench No. 1940

For All Models Chevrolet

Drop Forged from Triple Alloy Steel

12-point openings $\frac{5}{8}$ " and $\frac{3}{4}$ ". Satin nickeled, heads polished. Length $7\frac{3}{4}$ ". Weight 5 ozs. 6 to box.



Van-Chrome No. 2146 Starter and Manifold Wrench

For Late Model Chrysler Built and Other Cars

Drop Forged from Triple Alloy Steel

12-point openings $\frac{9}{16}$ " and $\frac{5}{8}$ ", special clearance bends. Satin nickeled, polished heads.

Length 7". Weight 7 ozs. 6 to box.



Short Offset Pattern



Long Offset Pattern

Multihex Box Wrenches

Offset Patterns 45° Angle
Drop Forged from Triple Alloy Steel

Short 45° Offset Pattern

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	
4723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{2}$ & $\frac{3}{8}$	4 $\frac{1}{2}$	1	2
4725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	5 $\frac{1}{4}$	1	14
4727A	$\frac{5}{8}$ & $\frac{11}{16}$	.. $\frac{3}{8}$	$\frac{7}{16}$..	$\frac{7}{16}$..	6	3	..

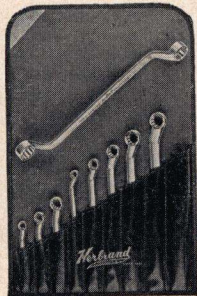
Long 45° Offset Pattern

3723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{2}$ & $\frac{3}{8}$	8 $\frac{1}{2}$	2	4
3725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	9	3	6
3727	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	9 $\frac{3}{4}$	4	14
3727A	$\frac{5}{8}$ & $\frac{11}{16}$	.. $\frac{3}{8}$	$\frac{7}{16}$..	$\frac{7}{16}$..	9 $\frac{3}{4}$	4	14
3729A	$\frac{3}{4}$ & $\frac{25}{32}$	.. $\frac{7}{16}$	$\frac{1}{2}$..	$\frac{1}{2}$..	11	7	2
3731B	$\frac{13}{16}$ & $\frac{7}{8}$	.. $\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{9}{16}$ & $\frac{5}{8}$	12 $\frac{1}{2}$	8	10
3733C	$\frac{15}{16}$ & 1	.....	.. $\frac{3}{4}$	$\frac{5}{8}$ & $\frac{11}{16}$	14 $\frac{1}{2}$	14	..

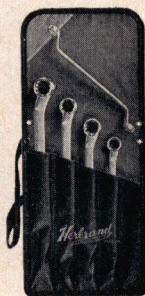
Packed 6 to the box.



Set No. 3701



Set No. 3702



Set No. 3700

Multihex Box Wrench Sets

Offset 45° Angle Patterns

SET No. 3700 carries one each of 5 Long 45° Offset Box Wrenches, Nos. 3723, 3725B, 3727A, 3729A and 3731B. Weight 2 lbs. 8 ozs.

SET No. 3701 comprises one each of the 3 Short 45° Offset Pattern Nos. 4723, 4725B and 4727A. Weight 10 ozs.

SET No. 3702 contains 9 wrenches, one each of the 3 Short 45° Offset Pattern Nos. 4723, 4725B, 4727A and one each of the 6 Long 45° Offset Type Nos. 3723, 3725B, 3727A, 3729A, 3731B and 3733C. Weight 4 $\frac{1}{2}$ lbs.

SET No. 3704 (not illustrated) contains one each of the 6 Long 45° Offset Pattern Nos. 3723, 3725B, 3727A, 3729A, 3731B and 3733C. Weight 3 $\frac{1}{2}$ lbs.

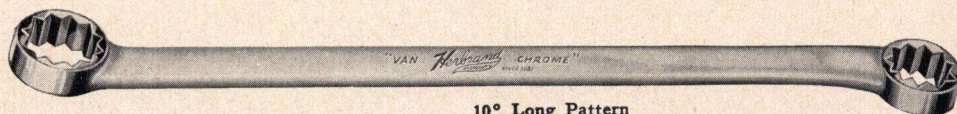
All sets available in fibre boxes or "Versilan" pocket rolls.

Do not confuse the genuine "Van-Chrome" Multihex Box Wrenches with similarly designed, cheaper wrenches. There is an essential difference because Multihex are precision built to the specifications of mechanics. They are drop forged from a special analysis Triple Alloy Steel, individually machined to precision tolerances with clean, accurate 12-point openings that snugly fit the size nuts for which they are intended, and heat treated to a definite standard to render them break-proof. They are correctly designed for maximum speed and handling efficiency with extremely thin side walls to reach sunken nuts and a well proportioned handle for positive grip.

Available in two patterns—Short 45° Offset and Long 45° Offset Heads. The heads are set at the correct pitch and just the right degree of offset to clear the obstructions most commonly encountered. Each end has a different 12-point graduated opening, providing a range of sizes fitting all popular nuts. Here you have refinements of speed, efficiency and moderate price backed by a quality guarantee that assures perfect satisfaction. Finished in satin nickel.



15° Short Pattern



10° Long Pattern

Multihex Box Wrenches

10° and 15° Angle Patterns

Drop Forged from Triple Alloy Steel

Short 15° Angle Pattern

Wrench No.	Size Openings	For U.S. Std. Nuts	For Hex. Cap Screws	For S.A.E. Nuts and Cap Screws	Length	Weight Per Doz. Lbs. Ozs.	
6723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{8}$ & $\frac{1}{4}$	4	1	2
6725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$..	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	4½	1	14
6727A	$\frac{5}{8}$ & $\frac{11}{16}$	.. $\frac{3}{8}$	$\frac{7}{16}$..	$\frac{7}{16}$..	5	2	10

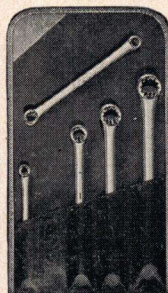
Long 10° Angle Pattern

5723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{8}$ & $\frac{1}{4}$	6¾	1	8
5725B	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{4}$..	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	7½	3	..
5727	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	8½	4	8
5729	$\frac{11}{16}$ & $\frac{25}{32}$	$\frac{3}{8}$ & $\frac{7}{16}$	.....	.....	10	6	12
5731A	$\frac{3}{4}$ & $\frac{7}{8}$	.. $\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{9}{16}$	11½	9	..

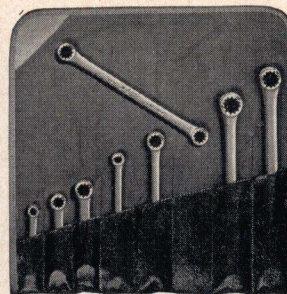
Packed 6 to the box.

Easy knuckle clearance of an off-set wrench with the accessibility of a straight wrench, applying a direct, powerful pull on the nut. There is no tendency to tip or slip off when full force is exerted. An important feature is the fact that either side of the wrench opening may be used which is not possible with the 45° offset pattern. These wrenches are perfectly balanced and light weight for more efficient handling and have extremely thin walled openings for maximum accessibility.

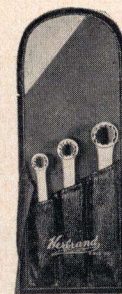
Herbrand makes these wrenches in the Short 15° Angle and the Long 10° Angle Patterns to meet every need. Each pattern has been carefully engineered to give the necessary leverage yet sufficiently short to clear major obstructions. The clean cut 12-point openings are individually broached to insure precision and a full, firm fit on the size nuts for which intended. The top of the box socket is chamfered so that nuts readily locate in the openings. Available in all the popular sizes with a different opening in each end. Finished in satin nickel.



Set No. 5720



Set No. 5721



Set No. 3703

Multihex Box Wrench Sets

10° and 15° Angle Patterns

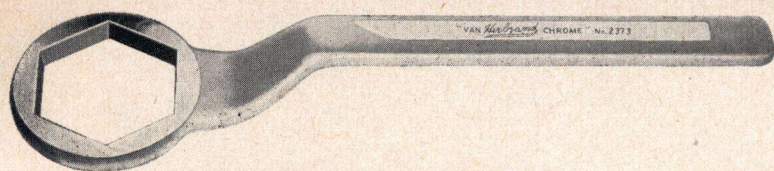
SET No. 3703, one each of the 3 Short 15° Angle Pattern Nos. 6723, 6725B and 6727A. Weight 8 ozs.

SET No. 5720 consists of 5 Long 10° Angle Box Wrenches, Nos. 5723, 5725B, 5727, 5729, and 5731A. Weight 2 lbs. 6 ozs.

SET No. 5721 is a complete assortment carrying 1 each Nos. 6723, 6725B, 6727A, Short 15° Pattern and Nos. 5723, 5725B, 5727, 5729 and 5731A in the Long 10° Angle Pattern, 8 Wrenches in all. Weight 3 lbs.

All sets available in fibre boxes or "Versilan" rolls.

Herbrand



Van-Chrome No. 2373 Crankcase Drain Plug Wrench

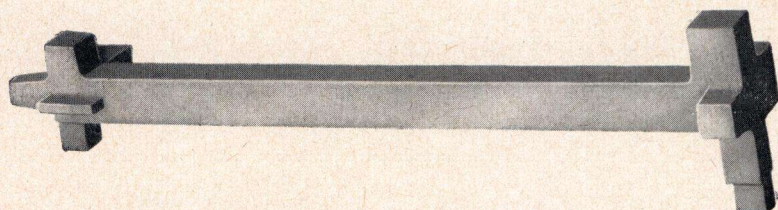
For Ford and Mercury Cars—1939 to 1948 Inclusive

Drop Forged from Triple Alloy Steel

2" hexagon opening accurately sized to perfectly fit the special plug. Designed with a unique bend to clear all obstructions. The 11" handle provides plenty of leverage. Plated in satin nickel with polished faces. Weight 1 lb. Packed 6 to the box.

The crankcase drain plugs on the Ford V8 and Mercury cars cannot be reached with ordinary wrenches.

This wrench is drop forged from Triple Alloy steel — not a stamping or casting. It is precision made for perfect fit and will give unlimited service under hard, daily usage.



Drain Plug Wrench No. 193

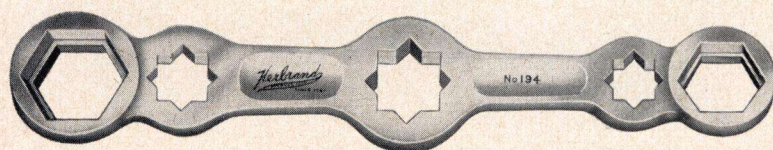
Ten Tools In One for All Female Plugs

Drop Forged from Triple Alloy Steel

Light in weight, compact, easy to handle, and designed to save time on oil changes. The lugs are forged accurately to size assuring perfect fit. Provides powerful leverage to easily remove stubborn plugs. Heat treated and satin nickered. Length 9". Weight 14 ozs. 6 to the box.

No more lost time searching for special drain plug sockets and handles. Here, combined in one wrench, are the ten different sizes of lugs required to service all countersunk drain and filler plugs in the clutch, crankcase, transmission and differential on most automobiles and trucks.

A solid drop forged tool with accurately sized lugs.



Drain Wrench No. 194

Seven Wrenches In One for All Male Plugs

Drop Forged from Triple Alloy Steel

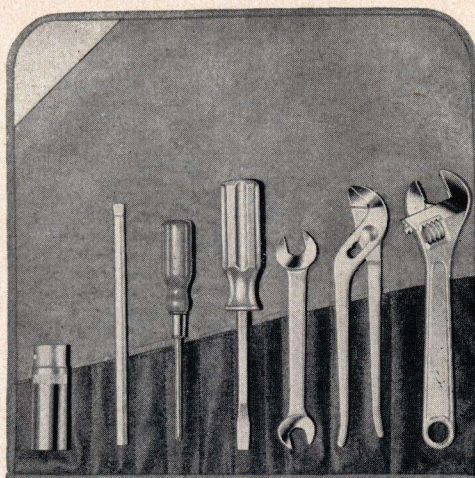
The precision openings insure a perfect fit and prevent mutilating or distorting plugs. Heat treated and finished in satin nickel. Four different 6-point and three different 8-point openings in one wrench which fit practically all drain plugs.

Length 9". Weight 11 ozs. 6 to the box.

A new drop forged Drain Plug Wrench, designed by Herbrand to fit the male plugs on crankcase, transmission and differential of practically all cars. It has seven different 6-point and 8-point openings combined in one wrench, properly sized to fit all late popular models including Ford, Chevrolet, Pontiac, Plymouth, Dodge, Buick, Studebaker, Oldsmobile, Nash, Packard and other makes.

Everyone who owns or drives an automobile is a potential customer for the new Herbrand "Car Owners' Service Kit." This set of tools is comprised entirely of items carefully selected for their all around general usefulness thereby forming an assortment not only of great necessity for use on the car, for minor and emergency repairs, but also of great value in the home or for outings and camping trips. Always ready, the entire unit is compact enough to be carried in the glove compartment. No looking under seats or in the trunk for those hard to find tools that can never be located when they are most needed.

Packaged in the new "Versilan" kit assuring the buyer of a long lasting serviceable container.



SET Nos. AO-720, 722 and 726

Each set contains one each of Nos. 21-8", Adjustable Wrench; 168 Multigrip Pliers; 1725B, $\frac{1}{2}$ " x $\frac{9}{16}$ " Open End Wrench; 315A, Protectogrip Screw Driver; 361, Phillips Screw Driver; DSH-6, T Bar Handle; Plus the correct size of Spark Plug Wrench to fit any car.

Stocked in three set numbers as listed below.

Set No. AO-720, containing Spark Plug Wrench No. DS-20 for late model Cadillacs and Packards.

Set No. AO-722, containing Spark Plug Wrench No. DS-22 for late model Chevrolets, '41 and earlier Packards and some other models.

Set No. AO-726, contains Spark Plug Wrench No. DS-26 for all other late model cars.

Note: Spark Plug Wrenches of any size opening other than those listed above can be substituted from Jobbers stock if necessary.

Approx. Weight 1 lb. 14 ozs.



SET No. LK-8

An excellent assortment of lubrication tools for service stations, garages, fleet owners, etc., this set contains the necessary tools for lubrication work on practically all cars and trucks. Small and handy in its new "Versilan" kit, the entire unit can be rolled up and placed in the mechanics tool box when not in use, thus preventing loss of tools so common around garages and service stations.

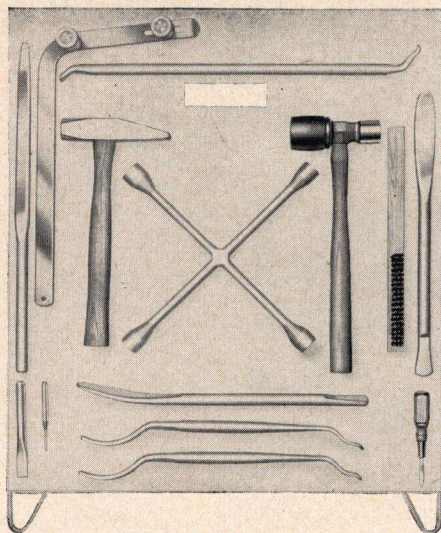
This comprehensive set of Lubrication Tools contains one each of Nos. 193, Drain Plug Wrench (Male Plugs); 194, Drain Plug Wrench (Female Plugs); 21-10, Adjustable Wrench 10"; 166 $\frac{1}{2}$, Multigrip General Purpose Pliers 9 $\frac{3}{4}$ "; 2373, Ford and Mercury Drain Plug Wrench; 312, Screw Driver, 3"; 319, Screw Driver 7"; and 6825, Flex Box Wrench $\frac{1}{2}$ " x $\frac{9}{16}$ " openings. Packed in new "Versilan" kit.

Weight 5 lbs. 8 ozs.

Car Owner's Service Kit

For Driver Service
On All Make Cars

Van-Chrome Lubrication Set No. LK-8



No. SS-14

Specialized Tire Service Board No. SS-14

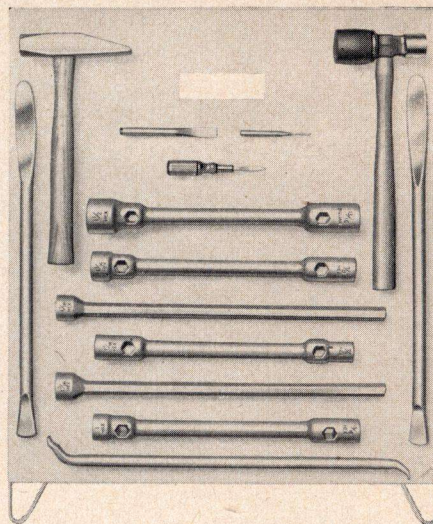
Carries an assortment of fourteen modern tire changing tools as listed below.

No. 1125, Long Leverage Rim and Tire Iron; No. 1126, Straight 18" Tire Spoon; No. 1127, Curved 18" Tire Spoon; No. 1128, Adjustable Tire Spreader; No. 1130, Tire Hammer; No. 1131, Tire Awl; No. 1132, Tire and Rim Brush; No. 1134, 1 pair (2) "No-Pinch" Twin Tire Irons; No. 1140, Improved Design Side Ring Tool; No. 1144, 2-Way Hammer, Rubber and Steel Heads; No. 1053X, Long Four-Way Rim Wrench; No. 403, Special Flat Cold Chisel; No. 443, Small Pin Punch.

Certified Lubrication Service Board No. SS-9

Especially designed to provide the user all the tools necessary for rapid and efficient lubrication work on all makes of cars and trucks. This portable tool board contains the following listed Herbrand tools:

One each Nos. 190, One-man Grease Bar; No. 193, Drain Plug Wrench for all female Plugs; No. 194, Drain Plug Wrench for male plugs; No. 2373, Special Ford and Mercury Drain Plug Wrench; No. 6825, $\frac{1}{2}$ " x $\frac{9}{16}$ " Flex Box Wrench; No. 21-10, 10" Open End Adjustable Wrench; No. 166 $\frac{1}{2}$, $\frac{9}{4}$ " Multigrip Plier; No. 485, Multi-use Pry Bar; A 10" Pipe Wrench; No. 312, Screw Driver, 3" long and No. 319, Screw Driver 7" long.

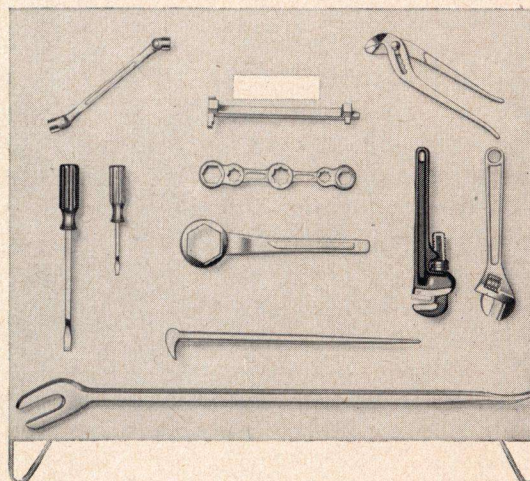


No. SS-13

Universal Truck Tire Service Board No. SS-13

For Tire Service work on all trucks.

Contains, Universal Truck Rim Wrenches No. 1150A, Openings $\frac{13}{16}$ " square, $1\frac{1}{8}$ " and $1\frac{1}{2}$ " hex; No. 1150B, openings $\frac{5}{8}$ " square, $\frac{7}{8}$ " and $1\frac{1}{4}$ " hex; No. 1150C, Leverage Bar with $1\frac{1}{16}$ " hex opening; No. 1150D, $\frac{7}{8}$ " and $1\frac{1}{16}$ " hex opening (Chrome Alloy Steel); No. 1150E, Leverage Bar with $1\frac{3}{16}$ " hex opening; No. 1150K, $1\frac{5}{16}$ " and 1" hex openings; No. 1130, Tire Hammer; No. 1144, 2-Way Hammer, Rubber and Steel Heads; No. 1126T, Straight 23" Tire Spoon; No. 1127T, Curved 23" Tire Spoon; No. 1140, Improved Design Side Ring Tool; No. 1131, Tire Awl; No. 403, Flat Cold Chisel; No. 443, Small Pin Punch.



No. SS-9



Any frozen shackles are quickly freed and thoroughly greasing them becomes an easy, one-man job with this scientifically designed bar. The fork end fits over the spring applying side pressure instead of end pressure and is set at a 25° angle to give easy access to any type of spring. It clears the crankcase, muffler, fenders, and firmly grips THREE spring leaves. The long, thin pry end is knurled which prevents slipping.

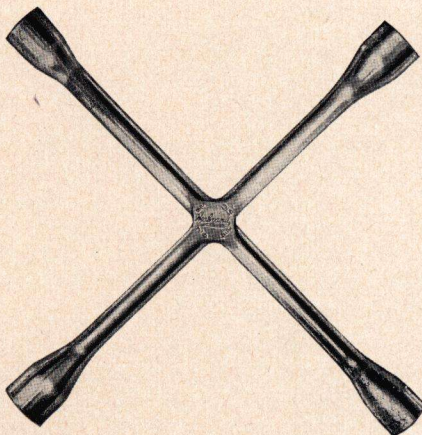
Universal One-Man Grease Bar No. 190

For Frozen Shackles

Drop Forged from Tool Steel

The use of this bar eliminates the hazard of bending, distorting or otherwise damaging the shackles in an effort to force grease through the bushings. Heat treated its entire length.

3/4" octagon steel. Length 30". Weight 4 lbs. 12 ozs. Finished in baked aluminum paint.



No. 1053X

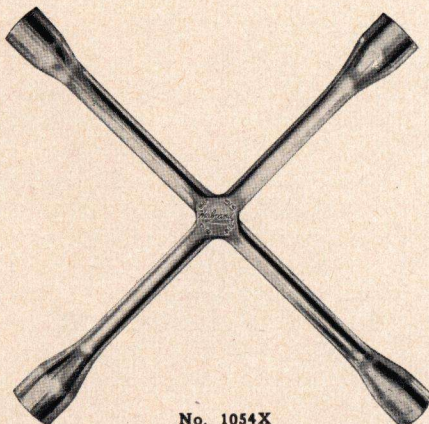
Four-Way Rim Wrench No. 1053X

Extra Long Arms for Wide Fender Clearance

Drop Forged Solid in One Piece—No Welds

Drop forged from High Carbon Steel and heat treated throughout. Finished in baked aluminum paint.

Forged with deep popular openings of 5/8", 3/4", 13/16" and 7/8". Length 16". Weight 3 lbs. 20 to the Carton.



No. 1054X

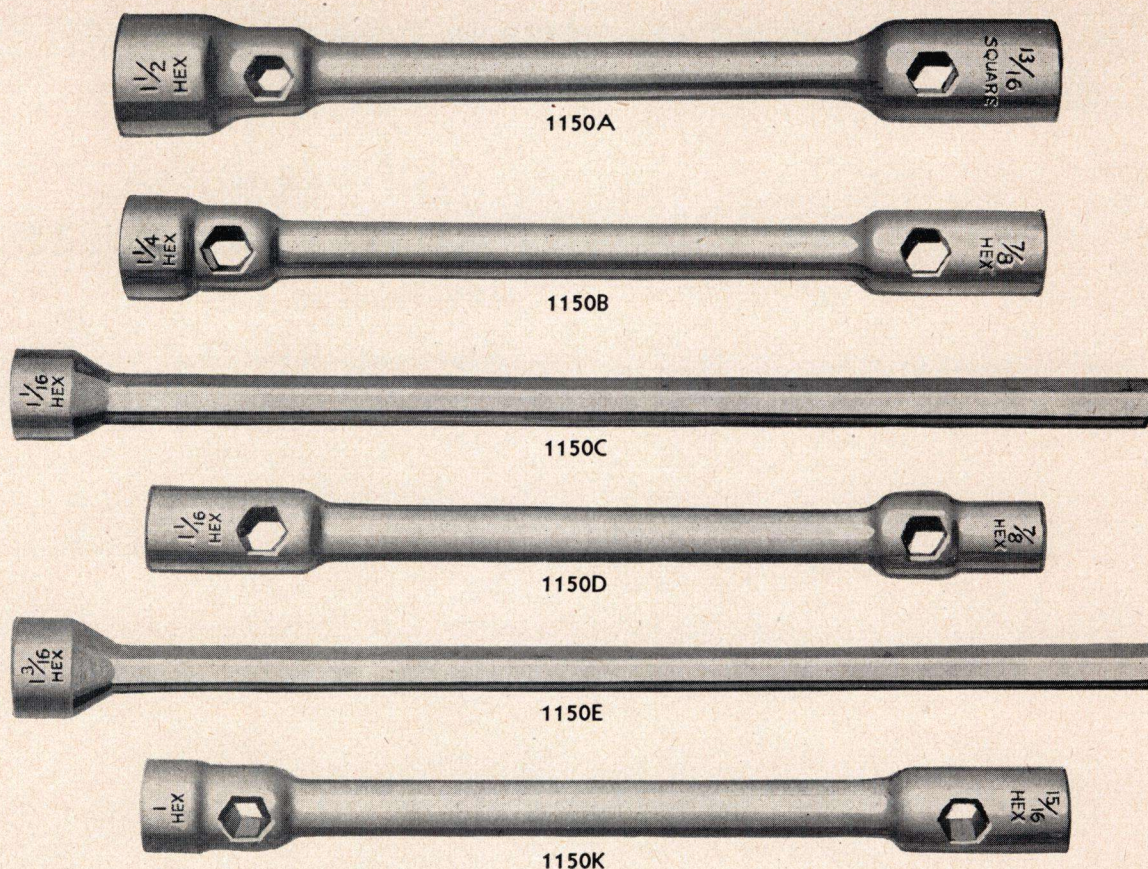
Four-Way Rim Wrench No. 1054X

Extra Long Arms for Wide Fender Clearance

Drop Forged Solid in One Piece—No Welds

Drop forged from Triple Alloy Steel and heat treated throughout. Finished in satin nickel with heads polished bright.

Forged with deep popular openings of 5/8", 3/4", 13/16" and 7/8". Length 16". Weight 3 lbs. 20 to the carton.



Universal Truck Rim Wrenches

Ten Extra Deep Forged Openings

Forged Solid—No Welds

Forged from solid bars of steel, with extra deep powerful sockets, heat treated and finished in baked aluminum paint.

No. 1150A, openings $1\frac{3}{16}$ " square, $1\frac{1}{8}$ " hex and $1\frac{1}{2}$ " hex. Length $15\frac{7}{8}$ ". Weight 4 lbs. 9 ozs.

No. 1150B, openings $\frac{5}{8}$ " square, $\frac{7}{8}$ " hex and $1\frac{1}{4}$ " hex. Length $15\frac{7}{8}$ ". Weight 4 lbs. 6 ozs.

No. 1150C, Leverage Bar has $1\frac{1}{16}$ " hex opening. Length 20". Weight 3 lbs.

No. 1150D, Chrome Alloy Steel, openings $\frac{7}{8}$ " hex and $1\frac{1}{16}$ " hex. Length $15\frac{7}{8}$ ". Weight 4 lbs.

No. 1150E, Leverage Bar. $1\frac{3}{16}$ " hex opening. Length 20". Weight 3 lbs.

No. 1150K, openings $1\frac{5}{16}$ " hex and 1" hex. Length 16". Weight 4 lbs.

SET No. 1150T, 1 each Nos. 1150A, 1150B and 1150C. Wt. 13 lbs.

SET No. 1151T, 1 each Nos. 1150A, 1150K and 1150C.

SET No. 1152T, 1 each Nos. 1150A, 1150B, 1150D, and 1150E. Weight 16 lbs.

SET No. 1153T, 1 each Nos. 1150A, 1150K, 1150D, and 1150E.

These wrenches never fail. They carry the combination of ten openings (two square openings at the base of the hex sockets in Nos. 1150A and 1150B) which make the set universal for truck rim work.

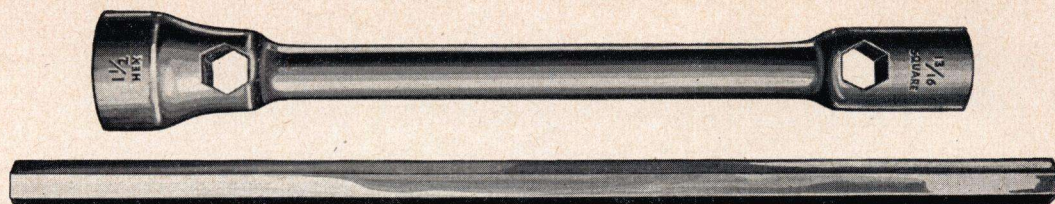
No. 1150A is equipped with the three necessary opening sizes to make it a complete Ford wheel nut wrench, fitting Budd wheels. No. 1150B carries the three required openings to service all Chevrolet dual wheels.

No. 1150D has forged hex openings of $\frac{7}{8}$ " and $1\frac{1}{16}$ " and is ideal for rim work on International trucks. Triple Alloy Steel is used for this wrench.

No. 1150K contains the necessary opening sizes for the new post-war Chevrolet dual wheels.

The 20" Hex Handle No. 1150C has a $1\frac{1}{16}$ " 6-point socket.

Leverage Bar No. 1150E has a $1\frac{3}{16}$ " hex opening which is necessary to service Motor Wheel rims, Reo, Federal, G.M.C. etc. It also forms a T handle with any of the wrenches illustrated.



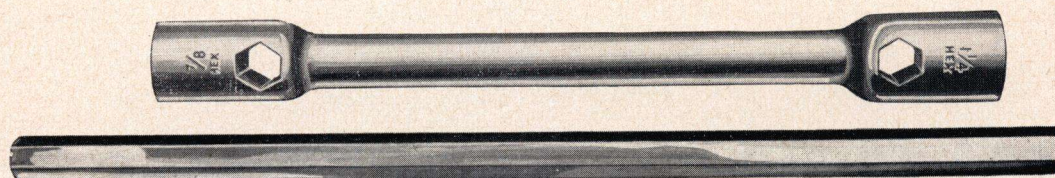
Equipped with the three necessary opening sizes to make it a complete Rim Nut Service Wrench for all Ford trucks. The deep openings are forged accurately for quick and positive engagement of the wheel nuts. The 20" hexagon leverage bar exerts a power that no nut can resist.

Ford Truck Rim Wrench 1152F

Complete for Trucks—Three Opening Sizes

Forged from solid bars of select steel, with extra deep powerful sockets, heat treated to withstand gruelling punishment. Finished in baked aluminum paint.

Wrench openings $1\frac{3}{16}$ " square, $1\frac{1}{8}$ " hex and $1\frac{1}{2}$ " hex. Length $15\frac{7}{8}$ ". No. 1152H Hex Leverage Bar, 20" long is included. Weight 7 lbs.



Here in one handy Rim Wrench are combined the three necessary sizes of square and hexagon extra deep openings to service all Chevrolet dual wheels. The 20" Hex Handle furnished with this set slides through the hex openings in the heads of the wrench, acting as a T handle and creating leverage that easily starts, and spins off stubborn, frozen nuts.

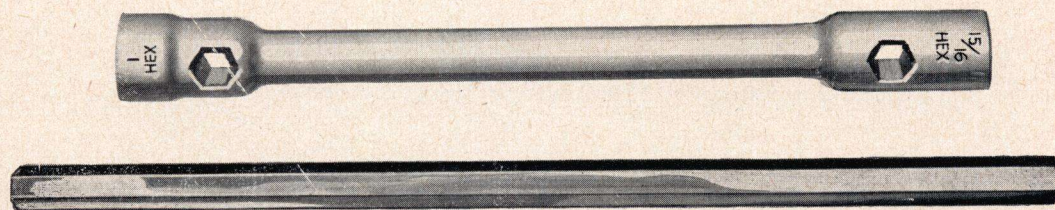
Truck Rim Wrench No. 1152G

Complete for Chevrolet Dual Wheels—3 Opening Sizes

Forged Solid—No Welds

Forged from solid bars of high carbon steel, expertly heat treated the entire length to stand up under the most strenuous work. Baked aluminum paint finish.

Openings $\frac{5}{8}$ " square, $\frac{7}{8}$ " hex and $1\frac{1}{4}$ " hex. Length $15\frac{7}{8}$ ". The No. 1152H Leverage Bar which is included is 20" long. Wt. 7 lbs.



This new Truck Rim Nut Wrench contains the necessary opening sizes to service the new postwar Chevrolet Trucks. Accurately forged, the openings are clean and smooth assuring a rapid and solid grip on the wheel nuts. The 20" hexagon leverage bar supplies a strong T handle with the necessary leverage to turn the most difficult nuts.

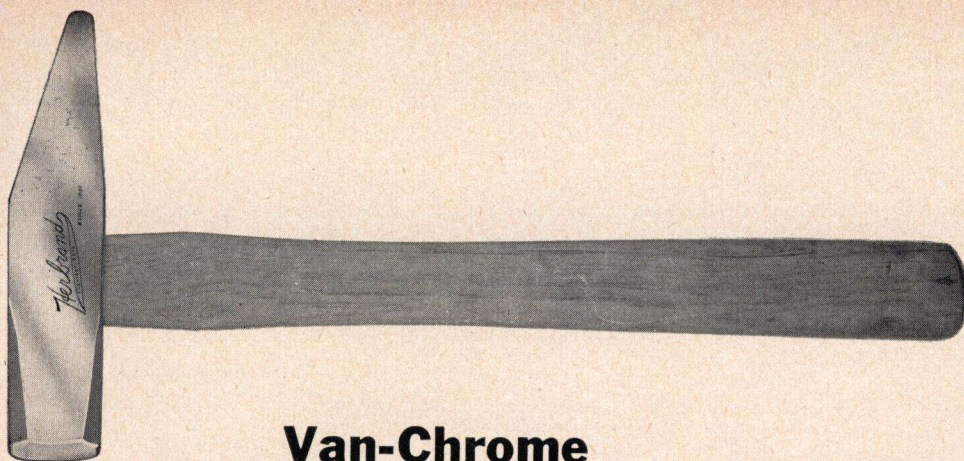
Truck Rim Wrench No. 1152L

Complete for Post War Chevrolet Truck Wheels

Forged Solid—No Welds

Forged from solid bars of high carbon steel, expertly heat treated the entire length to stand up under the most strenuous work. Baked aluminum paint.

Openings $1\frac{5}{16}$ " hex and 1" hex. Length $15\frac{7}{8}$ ". The No. 1152H Leverage Bar which is included is 20" long. Weight 7 lbs.



Van-Chrome Tire Hammer No. 1130

Drop Forged from Triple Alloy Steel

Heat treated and plated. Length 14". Weight 3 lbs. 8 ozs.

An unusually well-balanced hammer especially designed for removing tires that cling stubbornly to the rims. Extremely tough but not brittle eliminating the danger of chipping or flying pieces. All corners are rounded or bevelled to avoid damage to tire or rim. The head is firmly anchored to the hickory handle.



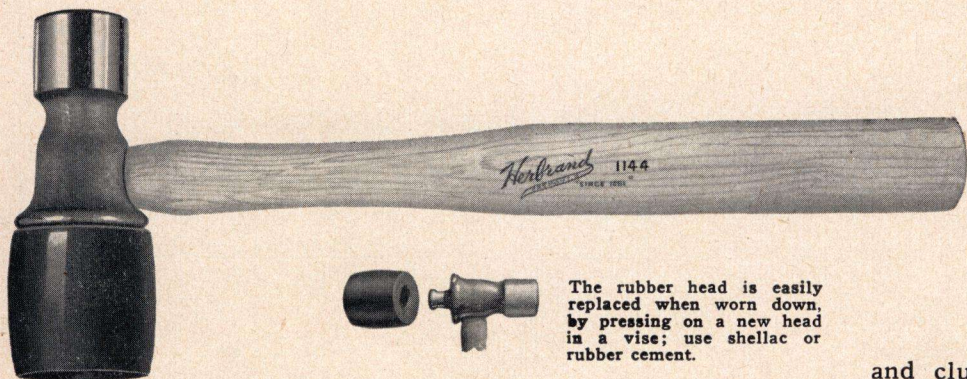
Tire Mallet No. 1133B

For Removing and Mounting Tires

Molded of special tough rubber. Patented lock-on feature prevents head flying off.

Head 4". Length 16". Weight 2 lbs. Packed 6 to a box.

The head of this mallet is solid, resilient rubber that permits its practical use where a metal hammer would cause damage. It is intended for tire changes but is also popular for automotive body work, fender straightening and for use on materials that are subject to bruising and marring.



2-Way Hammer No. 1144

Perfectly Balanced—Even Weight Distribution

For Body, Fender, Tire Work and General Usage

14" handle of first quality second growth hickory.

No. 1144 Hammer. Weight 2¼ lbs.

No. 1144H Replaceable Rubber Head. Weight 5½ ozs.

The rubber head is easily replaced when worn down, by pressing on a new head in a vise; use shellac or rubber cement.

Rebound is eliminated in this Dual-Use Hammer which has a small, tough, rubber head on one end and a drop forged steel head on the other. The weight of the heads is equally distributed and it is so perfectly balanced that it has none of the bulk and clumsiness associated with mallets. The 2" face rubber head is equal to the weight of a 2¼ pound mallet. The 14" handle gives tremendous hitting force. Machine, body and fender shops will find the 2-Way Hammer indispensable. It is very efficient for seaming sheet metal, drawing rivets, mounting tires, driving on rims without injury.

A practical and moderately priced tool for tire shops, service stations and garages. It rides easily around the entire circumference of the casing on the revolving rollers which are grooved to prevent slipping, making it unnecessary to remove the tool for complete inspection of the casing.

The two spindle rollers slip easily into the opening of the casing, spreading it with a simple pull of the long leverage handle, which is set at a 96° angle for clearance. The tip of the tool is curved to clear the opposite side.



Adjustable Tire Spreader No. 1128

Revolving Spindles

All corners are rounded to avoid injury to the hands even under the hardest pull. Adjustable to spread tires from 5½" to 7¾". Satin nickel finish. Length 18½". Weight 2 lbs. 12 ozs.



The hook ends are shaped to positively engage the rings and wedge them from their seats with minimum effort. The heel of the tool creates a fulcrum that develops a powerful leverage under the pressure of the long bar. The hazards of distorting rings and injury to hands are eliminated and the rings are quickly removed with the greatest economy of time.

Side Ring Tool No. 1135

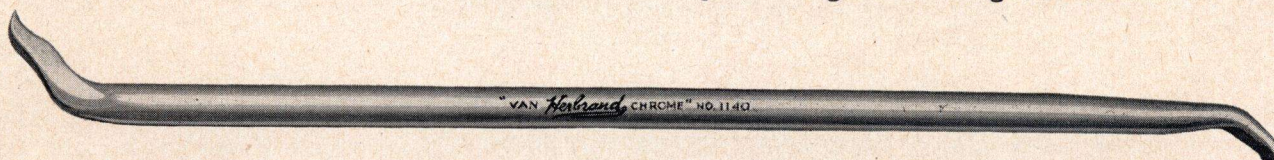
For Firestone and Other Rims

Drop Forged from Triple Alloy Steel

Especially engineered for easy removal of the continuous side rings used on Firestone RI, RH and other standard rims.

Extra powered by a modern heat treating process and forged from round stock.

Finished in satin plate. Length 20". Weight 1 lb. 2 ozs.



Made necessary by the many changes of design in postwar truck wheels and rims, this new ring tool by Herbrand does the work formerly done by three or four other type tools. One end has a bit ½" wide to fit small wheels plus most specials while the other bit is ⅝" wide to fit the larger rims. The specially shaped hook ends provide the correct leverage for the outward and upward force so necessary to the easy removal of side rings.

Improved Side Ring Tool No. 1140

For All Rims Including Postwar Firestone, GMC, Etc.

Drop Forged from Triple Alloy Steel

Designed to accommodate practically all rims in use on present day trucks including postwar models. Side ring removal is made easy by means of the new improved hook ends with different size bits.

Heat treated throughout and finished in satin plate. Length 22". Weight 2 lbs. 11 ozs.



Straight Pattern No. 1126



Curved Pattern No. 1127

Spoon Type Master Tire Irons

Broad, Paddle Shaped Blades—For Passenger and Truck Tires

Drop Forged from Select Tool Steel—Heat Treated Throughout

Both patterns are available in two different lengths to efficiently handle the full range of tire work on all passenger cars, trucks and busses. Careful drop forging and special heat treating impart rigidity and unbreakable qualities. Finished in baked aluminum paint.

For Passenger Car and Light Truck Wheel Service

No. 1126, Straight pattern. Length 18". Weight 2 lbs.

No. 1127, Curved pattern. Length 18". Weight 2 lbs.

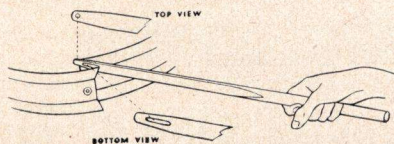
For Work on Large Truck and Bus Tires

No. 1126T, Straight pattern. Length 23". Weight 2 lbs. 12 ozs.

No. 1127T, Curved pattern. Length 23". Weight 2 lbs. 12 ozs.

Herbrand's Master Tire Irons were designed by tire experts for tire service men. The broad, thin paddle shaped blade takes hold of a larger area lifting the tire from the rim in a few easy strokes with a minimum of effort and time. Curved pattern No. 1127 is especially adapted to drop center type rims, permitting the operator to throw out, or force in bead without injury to knuckles or hub interference. The blunt handle end is designed to drive dual tires and rings on or off.

They are usually sold in pairs. The curved blade in combination with the straight one makes an unbeatable pair.



Special Rim & Tire Iron No. 1125

Extra Long Leverage

Drop Forged from Tool Steel

This tool makes tire changes easier and faster and eliminates the hazards of slipping which often result in injury to the operator. It also makes an excellent tire iron. Drop forged, heat treated for extra strength and baked aluminum paint all over. Length 20". Weight 1 lb. 12 ozs.

The best tool in the tire field for unlocking and locking split type rims. Shaped just right for efficient use and 20" long for extra leverage, this tool is exceptionally well balanced. An outstanding exclusive Herbrand feature that all tire men will appreciate is the recessed grooves on the top and bottom of the working end. The round recess on the top hooks into the corner of the rim and holds it positively in place while the elongated groove on the bottom hooks into the opposite corner of the rim and rides the rim ends together.



THE FAMOUS "NO-PINCH" TWINS



No. 1134 "No-Pinch" Twin Tire Irons

Revolutionary Design for Drop Center Rims

Drop Forged from High Carbon Tool Steel

Every tire service mechanic knows that all too many tubes are pinched, and casings distorted, through the use of out-moded or makeshift tire irons. Actual statistics compiled in shop research show that two to three tubes are thus ruined in the average shop every week.

Herbrand presents these "No-Pinch" Twin Tire Tools accurately engineered to fit the modern drop center rims, knowing that they work with a degree of ease and safety never before achieved. Careful shop tests dictated the correct length, the proper curves, offsets and lips to remove or replace tires with the least effort and absolute safety to hands, tubes and tires. Once used by the mechanic on an actual job, he will never be without them.

The respective ends are plainly marked "On" or "Off" to facilitate application.

To remove tire: use end marked "Off" which is formed to fit the contour of the rim. The small lip engages the bead of the tire and the heel rides on the edge of the rim in such position that the tool cannot pinch the tube. The offset creates a natural leverage that lifts the tire out of the rim holding it securely for safe entrance of the Twin Iron which easily levers the casing from the rim. The curve on the opposite end gives ample knuckle clearance between tool and the wheel.

To mount tire: use end marked "On". Place small hook over edge of rim with the bead of the tire on the curved section of the iron. As the tool is raised the tire automatically rides into position on the rim. The small lip avoids the hazard of pinching the tube but gives sufficient purchase to prevent slipping off. After casing is held in position with the first tool the Twin Iron readily assembles the next section on the rim.

Length 18". Weight 1 lb. 13 oz. Baked aluminum paint finish.

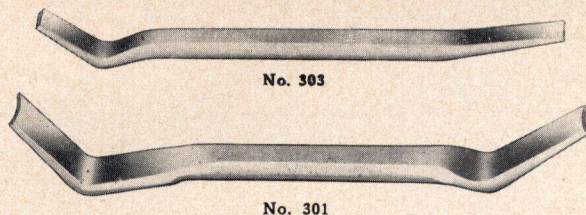
Ideal for removing glass, nails, tacks, stones or other objects that become imbedded in tires. The broad, tapered blade is shaped to spread the rubber while the blunt point removes foreign objects from tires without danger of penetrating tube.



Tire Prodding Awl No. 1131

Handfit Wood Handle

Blade is bright nickel. Length 7". Weight 2 ozs. 6 to the box.



Star Nut Brake Tools

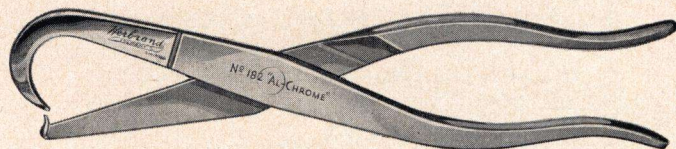
2 Types—Thin, Narrow, Wide Contact Points

Drop Forged from Triple Alloy Steel

No. 301 For Bendix Brakes on most cars and trucks. Length $6\frac{3}{8}$ ".

No. 303 For Chevrolet late models and other cars having a narrow brake slot.

Length $6\frac{3}{4}$ ". Satin nickel polished points. 6 to the box.



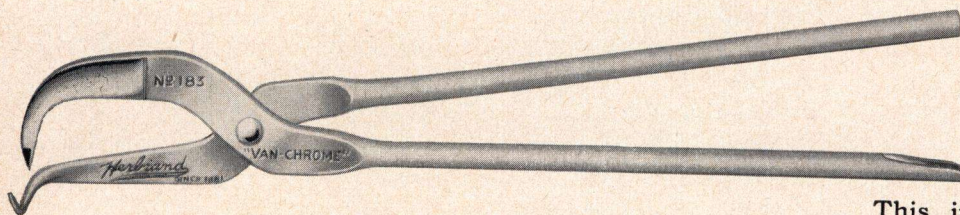
Brake Spring Plier No. 182

$8\frac{1}{2}$ " Long

Drop Forged from Triple Alloy Steel

Satin nickel finish with heads polished to a high lustre.

Length $8\frac{1}{2}$ ". Weight 6 ozs. Packed 6 to the box.



Van-Chrome Brake Spring Plier No. 183

14" Long for Heavy Duty Service

Drop Forged from Triple Alloy Steel

Here is a large size Brake Spring Plier with a generous capacity of jaw opening for the quick and easy removal and replacement of brake shoe springs on practically all cars with internal brakes.

Strengthened by exacting heat treatment. Handsomely finished in double plated satin nickel with heads brightly polished.

Length 14". Weight 12 ozs. Packed 6 to the box.

Herbrand Star Nut Brake Tools are available in 2 distinct patterns providing 4 different angles and bends to cover the most complete range of usage.

Clear obstructions such as shock absorbers and frame fittings easily by working through and around such interfering parts. They have the proper sized contact points, perfect balance and that sensitive touch so necessary for locating and adjusting the cog screw on brakes.



Works efficiently on smaller springs where extra long handles would be awkward. The corkscrew hook on the lower jaw lifts the spring easily with a secure grip and the sharp pointed gooseneck curve of the head grips the brake band in a positive way. The corkscrew hook is also adapted to cotter pin removal.

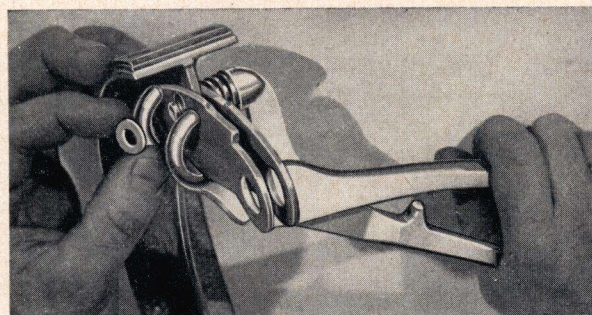


This improved design has increased clearance on the gooseneck curve of the upper jaw and when the sharp point is anchored on the brake lining the corkscrew hook of the lower jaw pulls the spring into position readily.

The end of one handle is grooved to slip the eye of the spring over the stud on brake shoes so constructed. The end of the other handle is flat to seat the springs in place after they are hooked into the eye on brake shoes using this method of assembly.



Patent Applied For



New — distinctive — original — and the simplest and quickest means of removing the special tension lock-washers used on the Huck brakes of all 1936 and later Chevrolet cars. A one-man tool that compresses the brake pin spring for instant removal or replacement of the special lock-washers that fit into the pin groove. Saves at least *one hour* on every brake relining job.

To reline these brakes it is necessary to remove the eight lock-washers and, by the common method, either two men were required or it was necessary to compress the springs with a vise and two small wood blocks. Replacement also was exceedingly difficult because of the extreme spring tension, and either method was tedious and time-consuming. Each job necessitates a repetition of this operation 16 times.

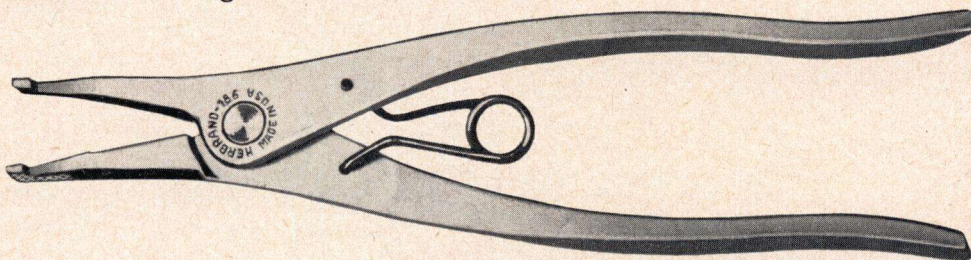
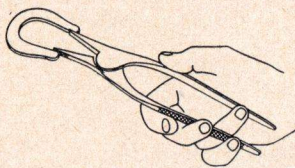
Van-Chrome No. 188 Brake Pin Spring Compressor

**For Chevrolet Huck Brakes—A Real Time-Saver—
Will Pay For Itself on the First Job**

Drop Forged from Triple Alloy Steel

A newly invented Herbrand Tool that saves at least *one hour* of time on every Chevrolet brake relining job. Eliminates the tedious and unsatisfactory practice of using a vise, or other make-shift methods, in compressing the springs to remove or replace the 8 lock-washers (16 operations) which fit the grooved pins. With Plier No. 188, one man can do this job perfectly in not to exceed *eight minutes*.

Satin nickel finish with brightly polished fingers. Length 11". Weight 14 ozs. Packed 6 to box.



Developed to spread the snap lock-rings used so widely today on brakes, transmissions, differentials, pedal shafts, clutch shafts, fan pulley shafts and especially adaptable for spreading brake keys when removing them from the assembly. It is almost impossible to spread these lock rings with a screw driver or other make-shift methods because they are loose on the shaft and turn easily.

Horse Shoe Lock-Ring Plier 186

For Removing Horse Shoe Lock-Rings

Drop Forged from Triple Alloy Steel

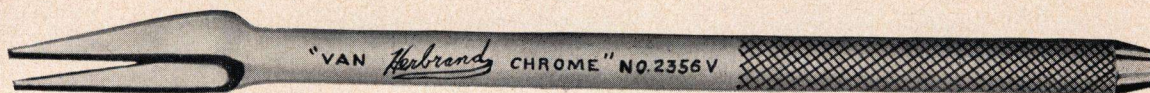
Especially adaptable for lock-rings used on Chrysler hydraulic brakes and Plymouth brake anchor pins.

Toothed on the outside of the jaws to prevent slipping. Will spread any lock washer up to 1 1/4".

Satin nickel finish. Length 8 1/4". Weight 6 1/2 ozs.

All items packed 6 to the box.

Herbrand



Ford Shock Absorber Link Separator No. 2356V

For Late V-8 and Other Models

Drop Forged from Triple Alloy Steel

This powerful wedging tool is essential to take care of the shock absorbers including those incorporating recent engineering changes.

To operate: remove the nut from the tapered bolt that holds the shock absorber link. Place the wedge-shaped fork between the link and shock absorber arm and a few sharp blows with a hammer forces the tapered bolt out of the arm.

Satin nickel finish, polished ends. Length 15". Weight 1½ lbs. Packed 6 to the box.

Shock absorber links should not be removed by driving against the bolt with a hammer because threads become mutilated and also there is too much spring in the arms. This newly designed tool is specially built to do this difficult job with a minimum of energy and time.

The long tapered prongs are accurately sized to readily wedge between the parts and quickly separate them. Equally efficient for separating tie rod joints.



Van-Chrome No. 2333V Ford V-8 Brake Wrench

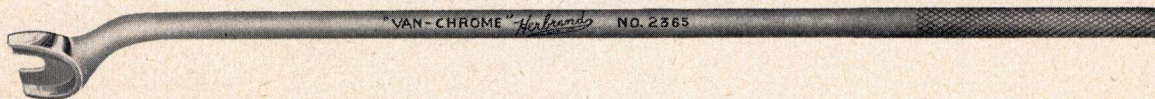
Special Offsets—Extra Long Reach

Drop Forged from Triple Alloy Steel

The unique offsets on this special wrench clear the obstructions encountered in adjusting the Ford V-8 brakes. Fits all models except those with hydraulic brakes. The extra long handle gives greater leverage.

Satin nickel finish, polished heads. 8-point openings, 7/16" for passenger cars and 1/2" for trucks. Lengths 15". Weight 13 ozs. 6 to the box.

Adjusting brakes on the Ford V-8 with the ordinary straight wrench is a difficult job. This wrench was designed with special bends and offsets to easily reach behind the wheel and tire. It clears shock absorber arms, brake drums and other obstructions, leaving the operator's hands free to do a perfect job of adjusting quicker and easier. The 15" length provides the extra leverage to break loose frozen and corroded nuts.



Ford Valve Lifter No. 2365

For All Models of V-8 except V8-60

Drop Forged from Tool Steel

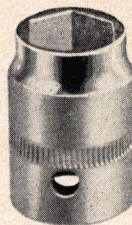
To service models 1932-33: Insert fork near bottom of spring, depress handle, using opposite block as a fulcrum.

To service later models: With heel of tool upward, insert fork near lower end of valve guide. Pull upward on handle and remove horse shoe lock. Reverse tool, push down on handle and valve and guides will push out at top of block.

Satin nickel plate. Length 24". Weight 2 lbs. 6 to the box.

Designed with a combination of two distinctive jaws in one head, correctly sized and offset for servicing all V-8's except the 60 H.P. The 24" length provides ample leverage for compressing the stiffest springs. Drop forged in one piece from special Tool Steel. The large knurled handle gives a firm, steady grip.

Special, extra thin-wall Socket with $\frac{3}{16}$ " six point hot forged opening. Standard sockets will not handle this job. Due to extreme thinness necessary this socket is not replaceable. Has $\frac{1}{2}$ " square drive connection.

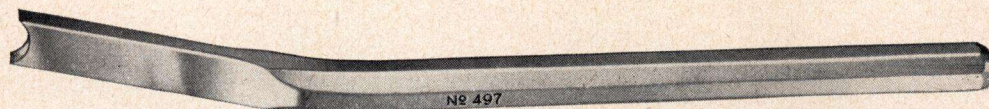


Connecting Rod Socket No. S-118V

For Ford V-8 Models Except V8-60

Hot Forged from Triple Alloy Steel

Packed 6 to the box.



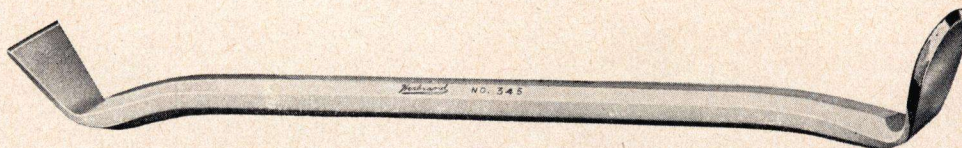
Patent No. 2,176,626

The safest, most efficient muffler and tail pipe cutting tool yet developed. Cuts the metal. No rips, no tears, no dangerous rough edges. The angle between handle and working head provides proper clearance for hand and hammer.

Muffler & Tail Pipe Cutter No. 497

Forged— $\frac{1}{2}$ " Octagon Alloy Steel—Heat treated and tempered. Satin nickel finish, cutting head polished.

Length 10". Weight 8 ozs. Packed 6 to the box.



Designed to reach and get all of the carbon in every part of any motor head, this popular spoon-type Carbon Scraper is the most versatile of any produced.

Carbon Scraper No. 345

Straight and Oval Blades—Alloy Steel

Sharp, knife-like edges, one straight, the other oval, with $\frac{5}{16}$ " octagon handle for firm, comfortable grip.

Drop forged and heat treated. Satin nickel finish, polished blades.

Length 8 $\frac{1}{4}$ ". Weight 3 $\frac{1}{2}$ ozs. Packed 6 to the box.



Exceptionally good for removing carbon from cylinder heads, motor blocks, pistons and any flat surfaces.

Extremely useful in body and paint shops because it does a thorough job of scraping paint, grease or foreign substances.

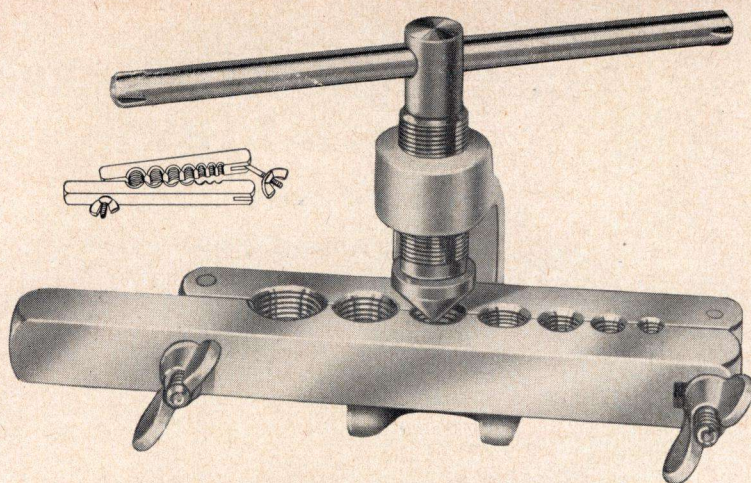
General Purpose Scraper No. 348

For Removing Gaskets, Paint, Grease or Carbon

Forged from Alloy Steel

An all-round Scraper that cleanly removes shellacked gaskets from oil pans, flanges, etc. The chisel-edge blade, 8" long, has a face 1" wide and is securely anchored in the plastic handle. Face polished bright.

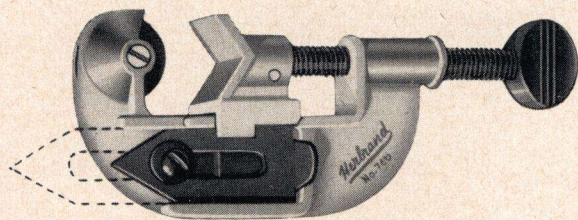
Length 12". Weight 5 ozs. Packed 6 to the box.



Tube Flarer No. 750

Range from $\frac{3}{16}$ " to $\frac{5}{8}$ "

No. 750. Nickel Plated. Length $6\frac{1}{2}$ ". Weight 1 lb. 14 ozs.



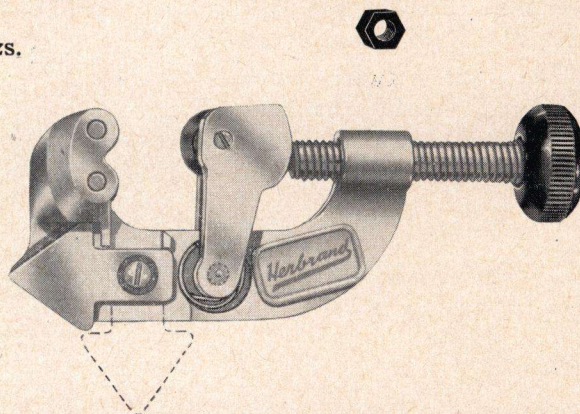
No. 760 Tube Cutter

Capacity $\frac{1}{8}$ " to 1" OD—Self Centering Vice-Jaw

This tool is precision made, light in weight and easy to handle, insuring long trouble-free service. The cutter wheel cuts brass, bronze, copper or similar tubing without external burr.

No. 760, Length 5". Weight $6\frac{1}{2}$ oz. 12 to the box.

No. 760C, Extra cutter wheels and screws.



No. 761 Tube Cutter

IMPROVED DESIGN

Capacity $\frac{1}{8}$ " to 1" OD—Self centering Roller-Jaws

Simply screw the adjustable cutter wheel up tight and revolve the tool until the cut is made. The roller jaws and improved designed cutter arm provide easier turning of the tool on any type of tubing such as brass, bronze, copper or similar tubing without burring.

No. 761, Length 6". Weight 10 oz. 1 to the box.

No. 761C, Extra Cutter Wheels, 10 to the box.



Clutch Pan Wrench No. 6825

Swivel Heads—For Chrysler Built Cars

Forged from Triple Alloy Steel

Has swivel heads which adjust to any angle and twelve-point openings of $\frac{1}{2}$ " and $\frac{9}{16}$ ". Satin nickel, polished heads.

Length $8\frac{3}{4}$ ". Weight 8 ozs. 6 to the box.

Seven flaring dies are included in this tool to give all popular sizes of tubing the accurate flare and taper that insures a perfect, tight joint.

The new type flare tip irons the metal into the die without causing torn or fractured tubing.

To get a perfect flare: tighten the tubing in the proper size opening, turn up lock nut, adjust flaring head to desired pressure and turn T handle.

In the Chrysler line, including Chrysler, Dodge, DeSoto and Plymouth it is necessary to remove the clutch pan to lubricate the throw-out bearings. Field experiments have proved that Herbrand No. 6825 is best adapted to this purpose.

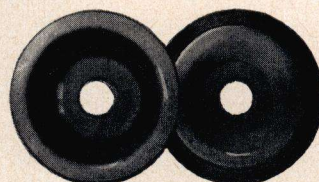
Constructed of a special, tough, crimped steel wire, there are no better quality brushes available. The steel wire sections are locked into the metal hub parts under pressure, making a complete master unit. This permits the use of the greatest amount of wire and creates an exceptional density on the working face that will wear evenly down to the arbor.

Used on bench grinders and portable tools for general cleaning and roughing; also practical on flexible shafts.

Each wheel has a standard 2" opening and the interchangeable adaptors illustrated are supplied as regular equipment.



Nos. 1136 and 1137



Wire Circular Brushes

For Roughing, Cleaning and Buffing

Heavy Duty Construction—Perfectly Balanced

No. 1136, 4" diameter. Thickness $\frac{7}{8}$ ". Weight 12 ozs. 1 to the box. Complete with $\frac{1}{2}$ " arbor adaptors.

No. 1137, 6" diameter. Thickness $1\frac{1}{16}$ ". Weight $1\frac{1}{2}$ lbs. 1 to box. Complete with $\frac{1}{2}$ " arbor adaptors.



Designed particularly for cleaning carbon from cylinder heads, blocks, valve ports, recesses, combustion chambers and for general cleaning around motors or cars. The heavy first quality crimped wire is firmly secured in the metal cup giving the brush extra long life and unusual wearing qualities. Fits electric drills, pneumatic tools, flexible shafts.

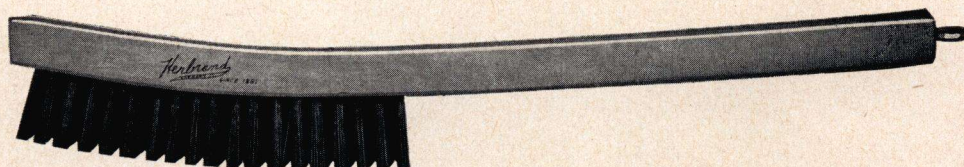
Carbon Cleaning Brush No. 1138

For Use with Portable Tools and

Flexible Shafts

Metal Bound Construction

Diameter of shank $\frac{1}{4}$ ". Length of brush 1". Weight 8 ozs. Individually boxed.



A good quality brush made of stiff, round steel wire. The 14" handle is curved to reach easily into the casings for cleaning. Handy for removing rust and dirt from rims and other parts.

Tire and Rim Brush No. 1132

For Cleaning Rims and Casings

The brush part is 6" long. Length 14". Weight 7 ozs. 6 to the box.

Herbrand

Soft Impact Nylon Hammers

Shatterproof—Detachable Nylon Tips

Tips Pressure Molded for High Tensile Strength

Herbrand Nylon Hammers, in three popular sizes and weights, are scientifically designed for perfect balance, adaptability and lasting service. Patented interlocking head construction prevents the replaceable nylon faces from becoming loosened in use.

These streamlined hammers, with their bright, smooth, durable finish, adequately match the usefulness, quality and appearance of your other Herbrand Tools. Built into them, by the combined efforts of Master Engineers and Chemists, are the good features of most soft-tipped hammers with none of their disadvantages.

In repeated tests and experiments the detachable, molded nylon tips have outlasted and outperformed other popular "soft impact" hammers. They will not chip, break, absorb moisture or change shape under continued hard use. They are resistant to oils and acids and have no rebound action.

The result of long research and skilled craftsmanship, they are not only the most beautiful, but also the toughest and most durable soft-faced hammers obtainable.

Handles are from seasoned top grade, selected hickory.

No. 664 — 32 Ounce Nylon Hammer

No. 665 Extra Nylon Tips (Set of Two)

Designed to afford a soft blow to the heaviest work, this item is also invaluable as a body and fender hammer. By virtue of its soft faces it is ideal for changing tires without damaging beads. Eliminates the possibility of personal injury caused by rebound force so common in other hammers.

Diameter of face $1\frac{3}{4}$ ". Head $5\frac{1}{2}$ " overall. Length 13". Packed 6 to the box.

No. 662 — 20 Ounce Nylon Hammer

No. 663 Extra Nylon Tips (Set of Two)

A most popular hammer for fitting piston pins, wrist pins, gears, bearings, etc. Provides the proper weight for the extra power needed for medium sized work. Highly adaptable to many jobs in body repair.

Diameter of face $1\frac{1}{2}$ ". Head $4\frac{1}{2}$ " overall. Length 12". Packed 6 to the box.

No. 660 — 10 Ounce Nylon Hammer

No. 661 Extra Nylon Tips (Set of Two)

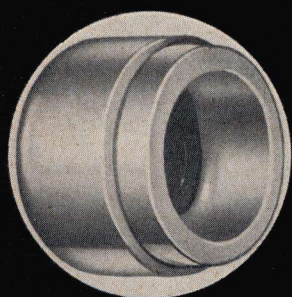
Especially useful for ignition, distributor, gear, bearing and any other delicate work where a light weight hammer is needed. Will furnish hitting and driving force without harm to small and easily damaged parts and finishes.

Diameter of face $1\frac{1}{4}$ ". Head $3\frac{3}{4}$ " overall. Length $10\frac{1}{2}$ ". Packed 6 to the box.

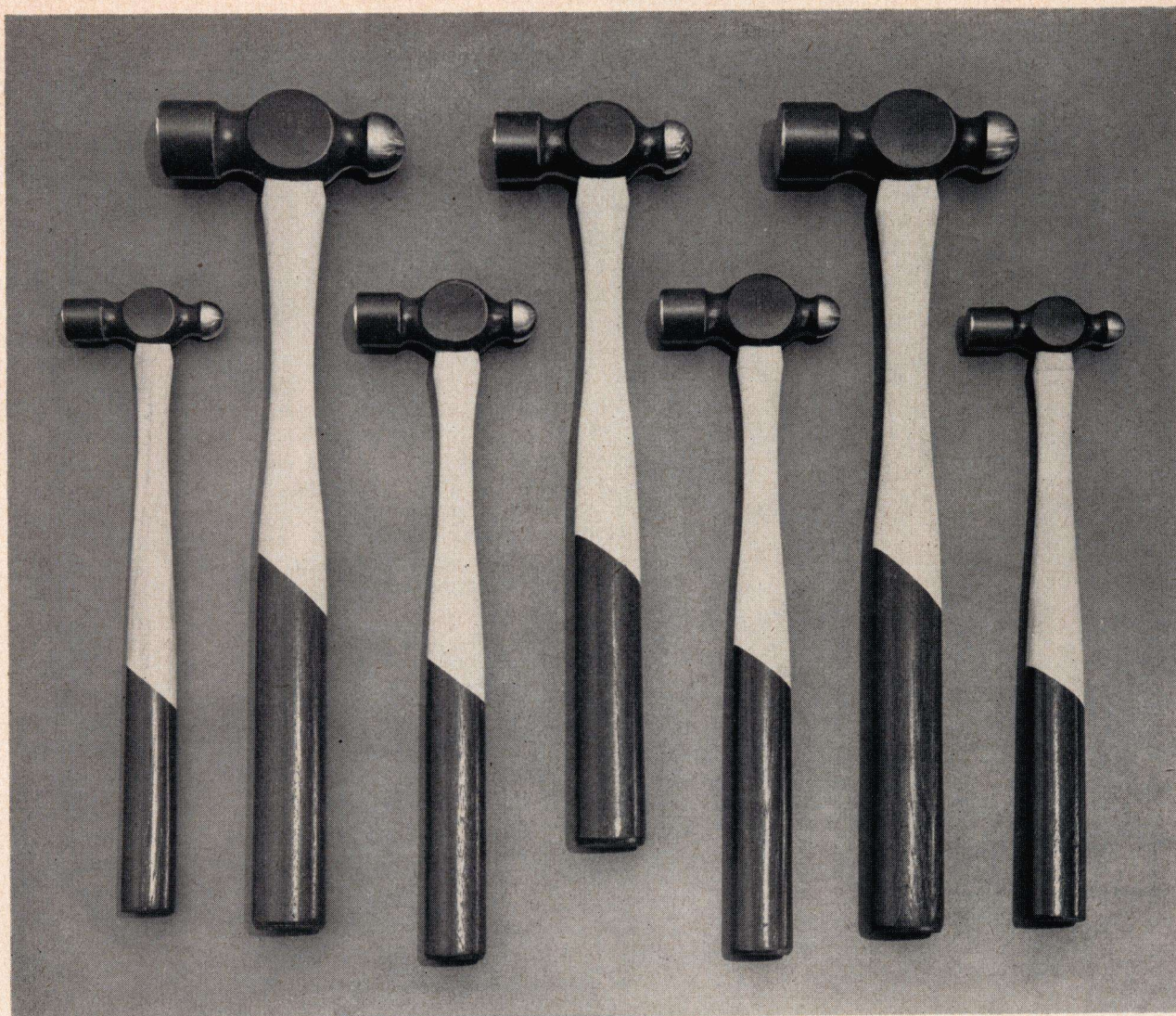
No. 664

No. 662

No. 660



Showing patented
Interlocking Head Construction.



Precisely controlled heat treatment applied to the select grade of steel from which these Hammers are drop forged imparts to them dependable and unusual qualities. They will not chip because they are tempered to conform to the safety standards being stressed in all industrial plants today.

They are well balanced and sturdy for ease of handling and long life under every day usage. The handles are of first grade, second growth hickory, properly seasoned, and are permanently fitted to the eye to prevent any loosening when in operation.

Van-Chrome Ball Pein Hammers

Highest Quality—Semi-Finished

Drop Forged from Select Tool Steel and Heat Treated

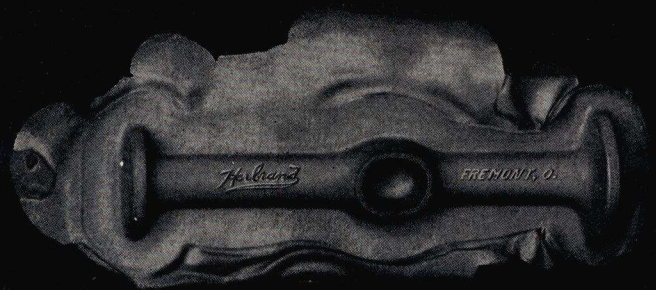
Intended for the discriminating machinist and mechanic who demands the utmost in quality, finish and design.

Semi-finished with faces and peins smoothly polished.

Packed 6 to the box.

Number	Weight Lbs.	Each Ozs.	Length
BP- 2	..	2	9½
BP- 4	..	4	10½
BP- 8	..	8	12
BP-12	..	12	13
BP-16	1	..	14
BP-20	1	4	14½
BP-24	1	8	15
BP-32	2	..	15½
BP-40	2	8	15¾

Herbrand



Drop Forging of Hammer Head
Before Flashing is Trimmed Off.



No. BF-1

No. BF-2

Multifit Body and Fender Hammers

**Perfectly Balanced—Precision Polished—
Flat Machined Faces**

Drop Forged from Special Tool Steel

The five especially designed, Matched Bumping Hammers in this streamlined set give the body worker a complete range for every conceivable type of body and fender work. Each hammer has two different heads and faces doubling their utility. "Multifit" Hammers differ from the conventional type because they are original in design with heads perfectly balanced from the eye of the handle. The weights are carefully calculated and the flat faces are precision ground and highly polished to an unblemished smoothness to bring out the exact shape that the job requires, which is highly essential to avoid damage, stretching of metal and for perfect workmanship. Individually drop forged from a special analysis of Tool Steel, double normalized to relieve all forging strains, scientifically heat treated for toughness, strength and extreme resistance to constant shock. Symmetrical shanks of minimum thickness provide maximum clearance.

The lacquered handles are first grade, second growth white hickory with hand shaped octagon grip, eliminating the tense "strangle hold" so detrimental to perfect control and accuracy. Hammer heads are permanently held on the handles by a patented, corrugated, drop forged wedge. Highly polished, perfectly smooth flat faces, blue enamel bodies. Fully guaranteed.

No. BF-1 Ball End Hammer

Combination Long Shank—Ball End and Flat Face

A Dual-Use Hammer combining a perfect ball end for raising large low spots, and a flat finishing face. Very handy in window corners. Perfectly balanced and expertly finished. Highly polished smooth flat face and ball.

Diameter face $1\frac{5}{8}$ ". Head overall 6". Clearance from handle to ball $3\frac{3}{8}$ "; from handle to face $1\frac{5}{16}$ ". Length 12". Weight 14 ozs. 6 to the box.

BF-2 Metal Shrinking and Bumping Hammer

Extra Wide Round and Square Faces

A New Hammer with extra wide faces which is very essential for shrinking metal when heat is applied. This latest in shrinking hammers also makes an ideal bumping and finishing hammer. Both faces are perfectly flat, eliminating the hazard of stretching soft metal.

Diameter of round face $1\frac{7}{8}$ ", square face $1\frac{5}{8}$ ". Head $4\frac{1}{4}$ " overall. Clearance from handle to faces $1\frac{3}{4}$ ". Length 12". Weight 1 lb. 6 to the box.

Multifit Body and Fender Hammers

Perfectly Balanced—

Tough, Highly Polished Flat Faces

Drop Forged from Special Tool Steel

Specifically designed for modern application to damaged metal in fenders and bodies, they definitely obsolete the outmoded, inefficient hammers generally used. Oftentimes costly damage is created by ill directed strokes, uneven faces and wrong contours. "Multifit" Hammers are styled for the highest degree of efficiency and accuracy on present day cars.

No. BF-8 Balanced Ding Hammer

Combination Large and Small Round Faces

This is the only perfectly balanced Double End Ding Hammer made with two round heads and large and small flat faces. It will hit a solid flat blow in a great many places where it is impossible to reach with any other shape hammer. From the center of the handle eye, both ends weigh exactly the same.

Double faces, diameters $1\frac{1}{4}$ " and $1\frac{5}{8}$ ". Head overall $6\frac{1}{8}$ ". Clearance small face to handle $2\frac{7}{8}$ "; large face to handle $2\frac{7}{16}$ ". Length 12". Weight 1 lb. 6 ozs. 6 to the box.

No. BF-4 Long Low Spot Pick Hammer

Combination Acorn Shaped Pick and Flat Face

A Double End Hammer with a very essential pick punch used to bump out small low spots while filing metal. Will pay for itself with the amount of solder saved. The pick point is specially designed to penetrate sound proofing material extensively used on tops, bodies and doors.

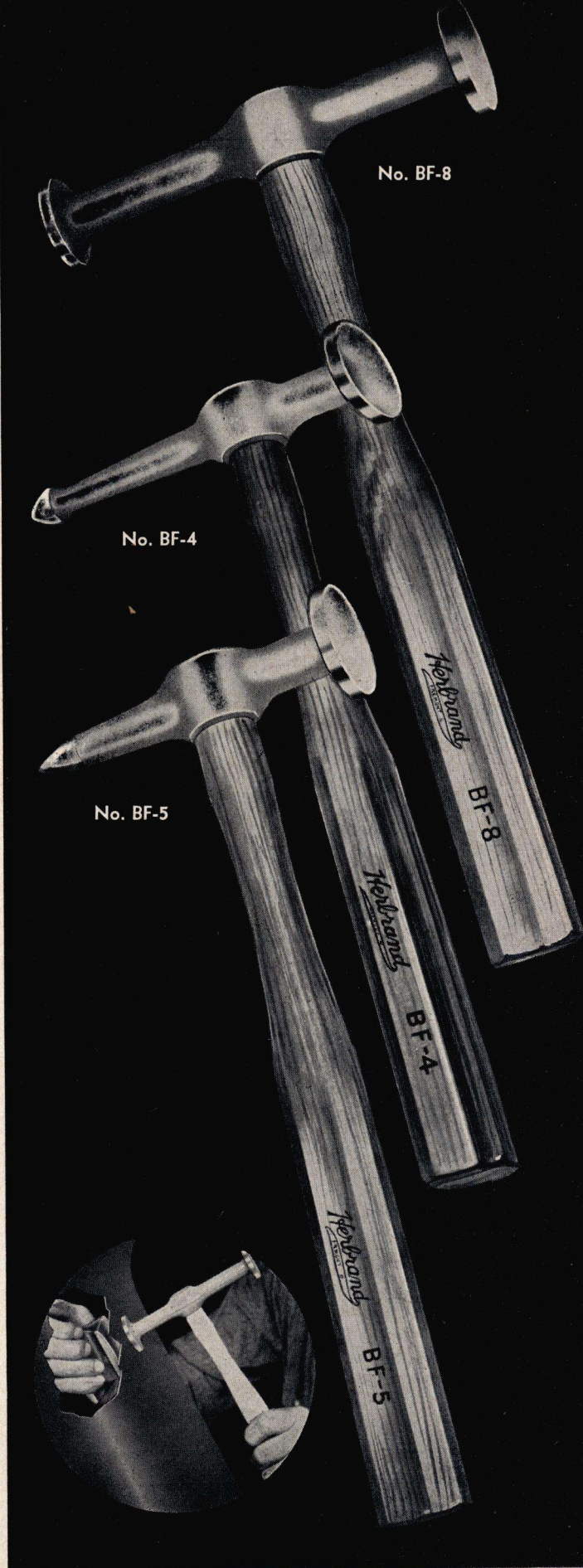
Diameter flat face $1\frac{5}{8}$ ". Head overall 6". Clearance from face to handle $1\frac{5}{8}$ "; from handle to pick $3\frac{5}{8}$ ". Length 12". Weight 13 ozs. 6 to the box.

No. BF-5 Short Low Spot Pick Hammer

Combination Point Pick and Flat Face

The extra sharp point is exceptionally handy for bumping out very small low spots and is used mostly when working under fenders. It is perfectly balanced and the flat face of the opposite end also makes it an ideal finishing hammer.

Diameter face $1\frac{5}{8}$ ". Head overall $4\frac{7}{8}$ ". Clearance from face to handle $1\frac{5}{8}$ "; from point to handle $2\frac{5}{8}$ ". Length 12". Weight 12 ozs. 6 to the box.



Herbrand

Multifit Body and Fender Spoons

Rigid—Long Reach—Necessary Contours
Drop Forged from Special Tool Steel

They enlarge the scope of body and fender repair work, provide an extra reach, have every conceivable contour and ding out dents inaccessible to dolly blocks. Essential for bending and prying and the wide flat faces will not cause damage. Heavy, rigid construction and heat treated. Working surfaces have an unblemished smoothness acquired from multiple grinding and polishing operations.

The toughest job on streamlined bodies and skirted fenders becomes routine with these Master Tools. They incorporate the latest engineering principles, the finest materials and the most skilled craftsmanship. Every Spoon in this line is drop forged from a select grade of Special Tool Steel. Herbrand blue lacquer on the bodies and the extra fine, highly polished faces of these tools identify these Modern Spoons.

No. BF-31 Inside Pry and Surfacing Spoon *For Prying and Bumping Operations*

Where a Driving Spoon is necessary in limited spaces this short handled tool will be found invaluable. Also works efficiently as a pry spoon behind braces and edges of panels.

Length 14". Weight 2¼ lbs.

No. BF-33 General Purpose Spoon *Two Anvil Faces with Unusual Contours*

An Ideal Drive Spoon with extra wide oval faces shaped to fit the contour of most parts of the body. Useful for driving out drip moulding, deck panels, beading and headlight work. Efficient behind steel braces, for cowl work and for prying.

Length 15". Weight 2 lbs. 9 ozs.

No. BF-34 Pry and Bumping Spoon *Combination Long Leverage Bar and Anvil Face*

A Double End, Heavy Duty General Purpose Door and Body Pry Spoon with wide, slightly crowned faces. The blades are ingeniously angled to produce the proper leverage in every conceivable position. Essential for prying and bumping on all-metal doors, cowls, aprons, fenders and working back of inner structures.

Length 22". Weight 4 lbs. 2 ozs.

No. BF-31

No. BF-33

No. BF-34

Multifit Body and Fender Anvil Blocks

3 Blocks—Obsolete Conventional Dollies

Drop Forged from Special Tool Steel—No Castings

Herbrand did not imitate the old-fashioned conventional dollies, but originated 3 Anvil Blocks of unusual efficiency. In reality these blocks are miniature anvils, very finely finished and ingeniously constructed to produce perfect results. They have safety hand-grips for use under deep skirted fenders, where the long reach does not permit the use of a hammer. The shapes, contours and sizes are just right to fit any of the unusual curves and formations so widely used in streamlined bodies and fenders. Drop forged, heat treated, accurately ground and finished to mirror-like smoothness.

No. BF-51 General Purpose Anvil Block

This Distinctive New Herbrand Block is one of the handiest ever developed. The wide, curved faces fit the contours of practically all parts of the body, fenders and doors on today's streamlined cars, and the small oval works perfectly on outside curves where the finishing hammer is used on the inside of the work. It fits the natural grip of the hand and is unusually well adapted to bumping out low spots and dents where the hammer and anvil action cannot be used.

Length 4". Height $2\frac{1}{4}$ ". Width $2\frac{3}{4}$ ". Anvil faces 3" x 3" and $1\frac{7}{8}$ " x 4". Weight 3 lbs.

No. BF-52 Anvil Raising Block

Made especially for deep skirted fenders and around rolled edges with a semi-flat surface for shrinking when heat is applied. The hand has plenty of clearance from the hot metal and in close places it may be gripped for a swinging blow without injury to fingers.

Size $2\frac{3}{8}$ " x $2\frac{5}{8}$ " x $2\frac{7}{8}$ ". Weight 3 lbs. 5 ozs.

No. BF-54 Roof Wedge Anvil Block

The sharp, tapered wedge is for driving out roof rails, behind brackets and is very useful under fender braces. The face is almost flat, making a handy anvil for a wide variety of uses.

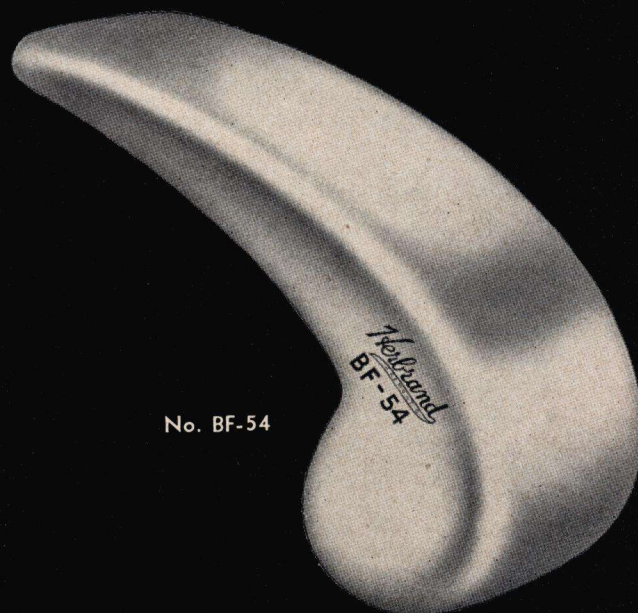
Length $5\frac{1}{4}$ ". Width $2\frac{5}{8}$ ". Height $1\frac{3}{4}$ ". Weight 3 lbs. 7 ozs.



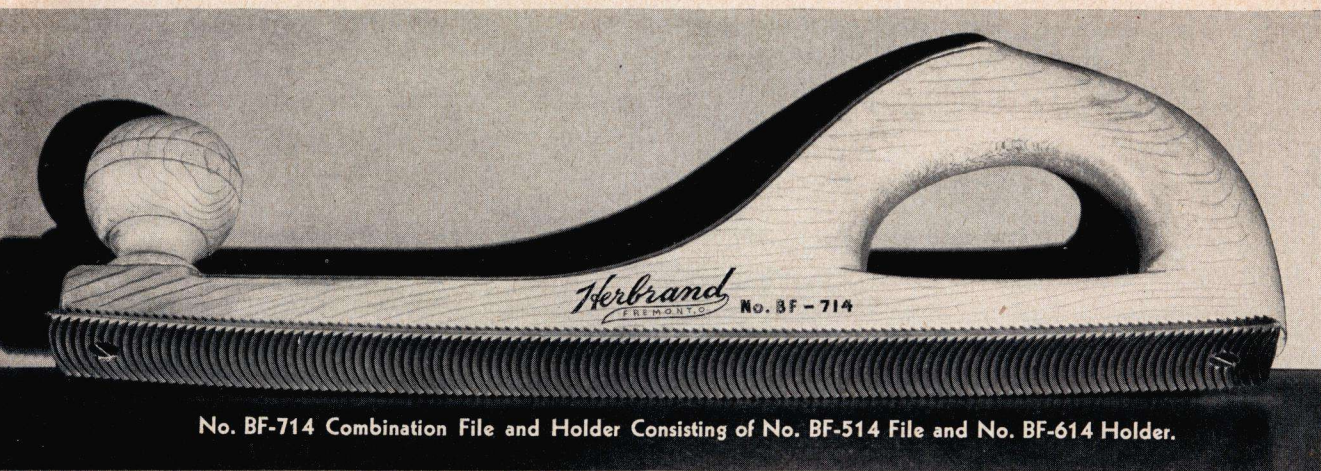
No. BF-51



No. BF-52



No. BF-54



No. BF-714 Combination File and Holder Consisting of No. BF-514 File and No. BF-614 Holder.

No. BF-714 Combination File and Holder

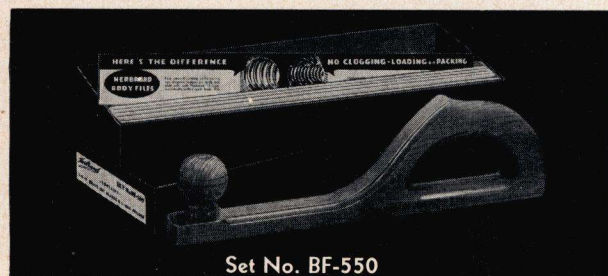
This inexpensive General Purpose File Holder and the 14" Flexible File No. BF-514 is the most practical and popular for body, fender and panel repair and general refinishing. It is a perfectly balanced, light weight, Wooden Filing Plane with the strength and life of a steel holder and none of its disadvantages. The curve has just enough bow to accurately control the point of filing and works expertly on any straight, crowned or contoured surface. The flat backed surface protects and cushions the teeth on the reverse side of the files. The large knuckle protecting knob and hand-fit grip handle combine to provide a fast and easy cutting metal plane action.

The files are milled with identical teeth on both sides providing double service and maximum economy. The file blades are easily reversed by removing the two retaining screws.

No. BF-714, 14" Flexible File and Holder. Weight per dozen 18 lbs. Packed 6 to the box.

No. BF-514, 14" Flexible File only. Teeth on both sides. Weight per dozen 8½ lbs. Packed 6 to the box.

No. BF-614, Wooden Holder only. Weight per dozen 9 lbs. Packed 6 to the box.



Set No. BF-550

SET No. BF-550, a special offer combination containing No. BF-614 Holder and 6 14" File Blades No. BF-514. The File Holder is included. Complete set, weight 5 lbs.

Multifit Files and Holders

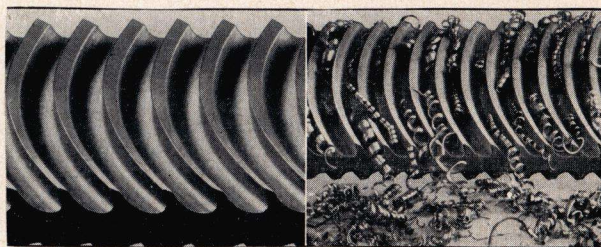
Milled, U-Type, "Shave Cut" Teeth

Self-Cleaning—No Packing, Loading or Clogging

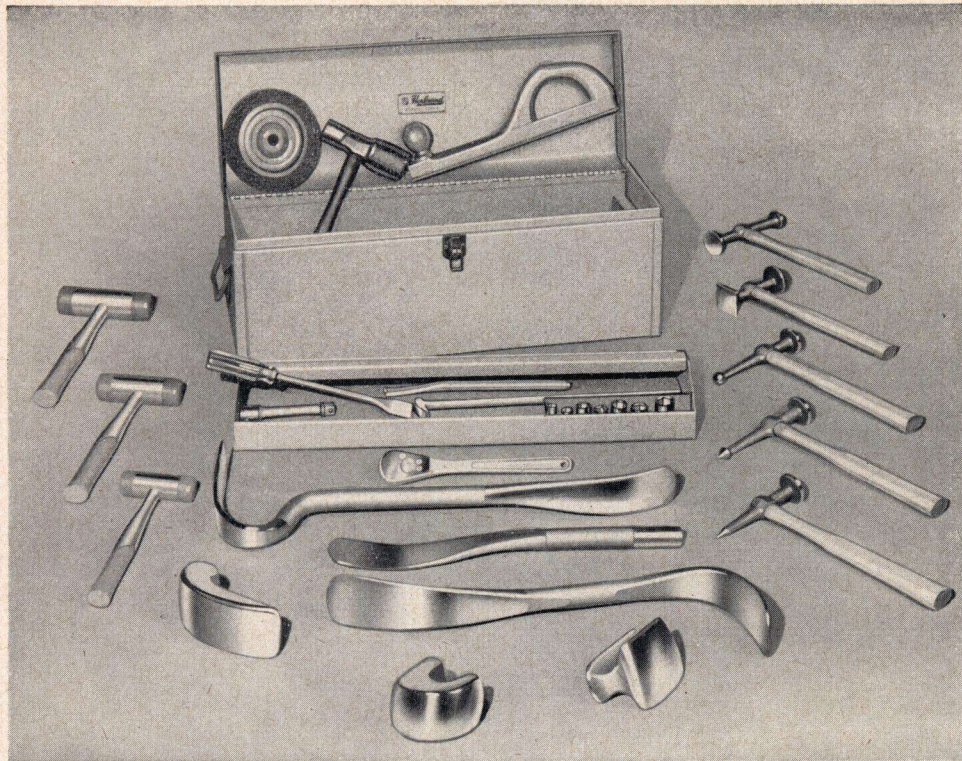
Startling developments in these New Super-Efficiency Files are based on the milling cutter principle. Each tooth is individually milled with a land, which increases the strength and cutting qualities, and a "U-Shaped" groove which provides maximum clearance and produces curled metal shavings, eliminating all packing and loading so common with the conventional V-Cut file. The keen, razor-like teeth speed up any metal planing work and they are more effective for filing soft metals like solder, lead or aluminum which clog or load ordinary files.

Flat Wooden File Holder

This strong, light weight, Wooden Holder gives perfect control of the work and is far superior to the adjustable metal type. Special screw anchors at each end make it quick and easy to change file blades.



Enlarged views showing the individually milled, U-type, Extra Deep Teeth and how they avoid clogging or loading by producing ribbon-like shavings which spiral off the blades, always maintaining sharp, fast cutting teeth.



Multifit Body and Fender Tool Set No. BF-129

Streamlined Set of 29 Necessary, Matched Body and Fender Tools

Modern body and fender repair work has been awkward, difficult, and costly because of the inadequacy and lack of proper tools to perfectly repair modern streamlined bodies and fenders.

This new, correctly designed and distinctive Body and Fender Tool Set represents the result of much experimentation in an effort to fully meet the requirements of the master body workers in today's exacting market. Containing the least number of pieces without sacrificing the completeness of the unit, this set carries only practical and necessary tools for thorough, rapid and efficient body and fender repair work. For easy removal of corroded bolts and nuts found extensively in bodies and fenders, there is included a complete range of 6-point sockets with ratchet and extension. 6-point sockets are absolutely necessary to snugly fit and break loose frozen and corroded nuts and bolts which have been exposed to corrosive elements.

Contains the complete selection of "Van-Chrome" Body Repair Tools as listed:

Hammers: 5 Drop Forged Perfectly Balanced Bumping, Dinging and Finishing Hammers Nos. BF-1, BF-2, BF-4, BF-5 and BF-8. 1 General Purpose Combination Metal and Rubber Tipped Hammer No. 1144 and 3 Soft Impact Bumping Hammers with detachable, shatter-proof Nylon Tips Nos. 660, 10 ozs.; 662, 20 ozs. and 664, 32 ozs.

Spoons: 3 Hand Forged Latest Type Pry, Bumping, Driving and General PurposeSpoons Nos. BF-31, BF-33 and BF-34.

Anvil Dolly Blocks: 3 Newly Designed, Streamlined, Drop Forged Miniature Anvils Nos. BF-51, BF-52 and BF-54.

File and Holder: Latest Type Body File with individually milled teeth for greater efficiency in a strong light weight, wooden holder No. BF-714.

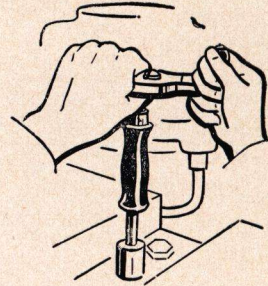
Sockets and Attachments: For greater ease in removing those corroded and frozen body bolts—7 "Van Chrome" 6-point $\frac{1}{2}$ " drive sockets Nos. S-612, $\frac{3}{8}$ "; S-614, $\frac{7}{16}$ "; S-616, $\frac{1}{2}$ "; S-618, $\frac{9}{16}$ "; S-620, $\frac{5}{8}$ "; S-622, $1\frac{1}{16}$ "; S-624, $\frac{3}{4}$ ". Reversible Ratchet 10" No. S-10 and Extension 5" No. S-27.

Miscellaneous Tools. General Purpose Scraper No. 348; Muffler and Tail Pipe Cutting Tool No. 497; Pry and Jimmy Bar No. 485 and Circular Wire Brush 6" Diameter No. 1137.

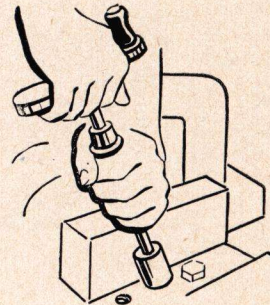
SET No. BF-129, Weight in Metal Box 58 lbs.

The Only Tool of its kind **SPEEDRATCHET No. J-9** (TRADE MARK)

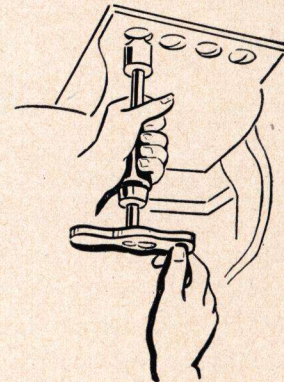
To break loose or tighten nuts, bolts or screws, use as a T-Handle.



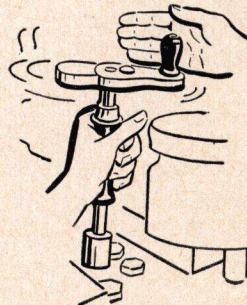
For a quick ratchet-
ing action to loosen or
tighten use the new
comfortable Palm
Grip.



For speeding on or
off even where con-
ventional speeders
won't work use as
speeder with or with-
out ratchet action.



Counterbalanced for
spinning action, runs
nuts or bolts freely
with the flip of a
finger.



New Display Box in Brilliant Colors

J-9 SPEEDRATCHET FITS ANY $\frac{3}{8}$ " DRIVE CONNECTION

Speedratchet has proved in test and in actual shop use by professional mechanics to be a combination tool that is practical, fast and efficient. Its unique design makes it possible to do many jobs better, faster and it eliminates much changing of tools and attachments, and breaking contact between the work and the tool.

Speedratchet's compact and sturdy construction affords greater clearance of obstructions. It will work perfectly in much smaller spaces than the conventional type speeders or ratchet combinations.

Speedratchet's versatility is shown by the almost unlimited number of job uses that mechanics have reported where it is better, faster and simpler. At least four tools in one; it is a Minimum Clearance Speeder, a Ratchet and Extension, a Counterbalanced Spinner, and a Palm Grip Ratchet T-Handle, all in one efficient tool.

The J-9 *Speedratchet* is made from triple alloy steel, beautifully chrome plated with Herbrand blue hand grips of the tough new, fire resistant plastic. The counterbalanced handle has a comfortable hand-fit contour for the speed and ease of action that master craftsmen like.

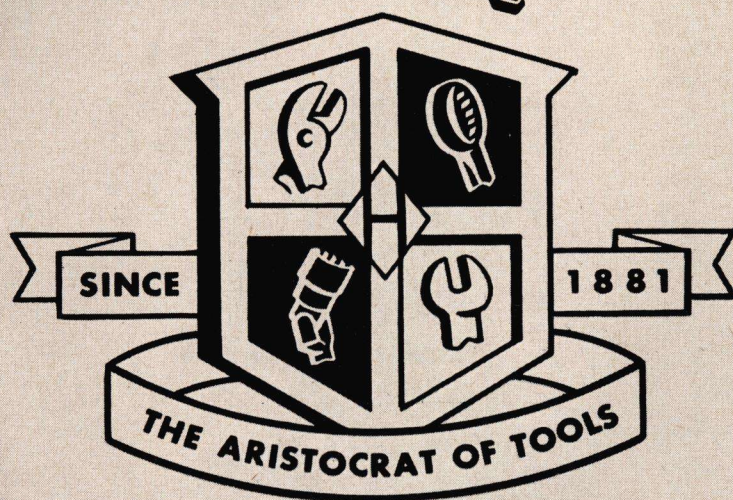
J-9 Speedratchet.....12" long. Weight.....1 lb. 7 ozs.

Individually packed in attractive display box

Herbrand

Herbrand

FREMONT, OHIO



**"VAN CHROME"
TOOLS**

SUPPLEMENT NO. 1 TO CATALOG NO. 54



Herbrand VAN CHROME TOOLS

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THE HERBRAND GUARANTEE

The name "Herbrand" or "Van-Chrome" on any tool constitutes your unqualified guarantee against defects in both workmanship and materials.

HERBRAND DIVISION
THE BINGHAM-HERBRAND CORPORATION
MAIN OFFICE AND FACTORIES • FREMONT, OHIO, U.S.A.

Herbrand VAN CHROME TOOLS

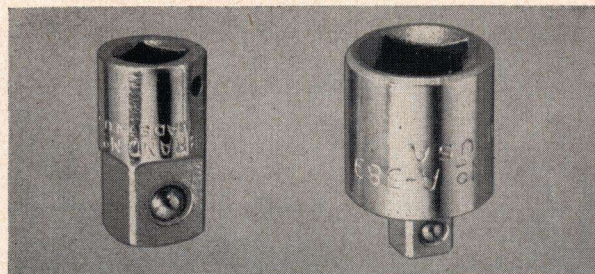


SOCKET ADAPTORS:

Permit the use of sockets of one series with the drive handles of another series:

A-388 $\frac{1}{4}$ " female— $\frac{3}{8}$ " male. Height $1\frac{5}{16}$ ", weight $1\frac{1}{4}$ oz., packed 6 to a box.

A-389 $\frac{3}{8}$ " female— $\frac{1}{4}$ " male. Height 1", weight 1 oz., packed 6 to a box.



BF-12 IMPROVED SHRINKING AND FINISHING HAMMER:

Rounded corners on cross milled serrated surface shrinks stretched metal faster and easier with less damage than ordinary square cornered hammer faces. Does a better job in less time. Patent applied for.

Length 12", weight 1 lb., packed 6 to a box.

BF-27 MAGNETIC TRIM HAMMER:

Forged from the finest magnetic steel and specially heat treated. White hickory handle with end grip Herbrand blue.

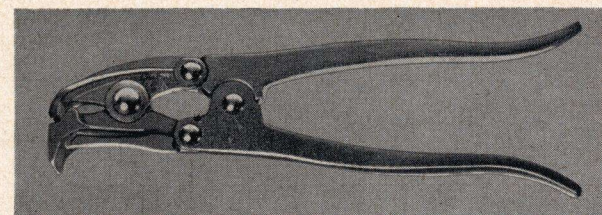
$10\frac{3}{4}$ " long, weight 7 oz., head $5\frac{1}{2}$ " long, packed 6 to a box.



BF-80 DRIP MOULDING PLIER: (A TOTM Selection)

The only drip moulding plier with compound action giving 10 to 1 leverage. Mechanic with ordinary grip can straighten drip mouldings and restore the exact original contour. Lower jaw has wedge shaped nose for prying out crushed moulding. Hot forged triple alloy steel, polished jaws and bright chrome plated body.

Length $9\frac{1}{4}$ ", weight 18 oz., packed 4 to display carton.



BR-8 BRAKE SERVICE KIT:

A complete set of tools for servicing all passenger car brakes. Contains 1 each of:

No. 301 Star Nut brake tool for Bendix, No. 303 Star Nut tool for Chevrolet, No. 183A Brake Spring plier for full floating and anchored shoes, No. 186 Horse shoe lock-ring plier, No. 188 Brake spring compressor for Chevrolet Huck Brake, No. G14 Brake adjusting gauge, 9 blades .006 to .032, No. 603 Single end open end wrench $1\frac{1}{16}$ ", No. 3934 Box wrench $\frac{3}{4}$ " to $1\frac{5}{16}$ ".





Herbrand VAN CHROME TOOLS

WHIZ BITS

QUICK — ACCURATE — EASILY SHARPENED

A precision made tool, forged from tough "moly" steel. Can be easily sharpened with a flat file. Bores hard on soft wood, through end grain, side grain and knots. Also bores Masonite, Bakelite, fibre, plastics, plywood, etc. You can bore at any angle without preliminary starting. Standard sizes: $\frac{3}{8}$ " ; $\frac{1}{2}$ " ; $\frac{5}{8}$ " ; $\frac{3}{4}$ " ; $\frac{7}{8}$ " ; 1" ; $1\frac{1}{8}$ " ; and 82° countersink. Length $4\frac{1}{2}$ ". Packed 6 to a box.

Intermediate sizes in 16ths; 32nds; or 64ths from $\frac{1}{4}$ " to $1\frac{3}{16}$ ".

Packed 12 to a box.

Extended bits in the following lengths: 6"; 10"; 12"; 18"; 24"; 30"; 36"; 48" and 60". Packed 2 to a box.

Sets packed in fitted metal boxes.

No. 600—Includes 1 each of standard bits:

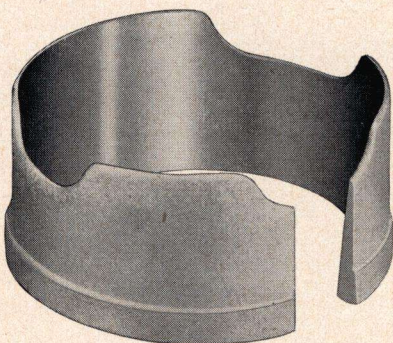
$\frac{3}{8}$ " ; $\frac{1}{2}$ " ; $\frac{5}{8}$ " ; $\frac{3}{4}$ " ; $\frac{7}{8}$ " ; and 1".

No. 800—Includes 1 each of standard bits:

$\frac{3}{8}$ " ; $\frac{1}{2}$ " ; $\frac{5}{8}$ " ; $\frac{3}{4}$ " ; $\frac{7}{8}$ " ; 1" ; $1\frac{1}{8}$ " ; and 82° countersink.



PISTON RING INSERTER



The Herbrand Ring Inserter is designed for fast and easy insertion of piston rings, especially the U-Flex type. The small slotted section in the wall of the tool permits expansion for installation of pistons and rings up to .060 oversize.

The simplicity of design, together with the special iron alloy used, gives this tool the elasticity it needs for fast and easy insertion of rings. Three finger openings are provided on the ring inserter so each ring may be easily guided into its groove in the piston while pushing the piston into the inserter.

FEATURES . . . of this New Type Inserter

- 1 Ideal for U-Flex Rings.
- 2 No mechanical attachments to break, a lifetime tool.
- 3 Up to 50% time can be saved.
- 4 Designed to handle both 3 and 4 ring pistons.
- 5 Elasticity of the tool allows for the installation of pistons and rings up to .060 oversize.
- 6 Special models for Fords and Mercurys with cut-away valve sections.

TYPE NO.	SIZE	TYPE NO.	SIZE	TYPE NO.	SIZE
RC-300	3"	RC-318C Cutaway special	$3\frac{3}{16}$ "	RC-350	$3\frac{1}{2}$ "
RC-306S—Ford Special	$3\frac{1}{16}$ "	RC-325	$3\frac{1}{4}$ "	RC-356	$3\frac{9}{16}$ "
RC-309	$3\frac{3}{32}$ "	RC-331	$3\frac{5}{16}$ "	RC-412	$4\frac{1}{8}$ "
RC-312	$3\frac{1}{8}$ "	RC-337	$3\frac{3}{8}$ "	RC-437	$4\frac{3}{8}$ "
RC-318S—Ford Special	$3\frac{3}{16}$ "	RC-343	$3\frac{7}{16}$ "		

Write for information concerning special sizes for trucks, motorcycles, small cars, etc.



No. CA-36½ Deluxe Set

Herbrand CARBURETOR REPAIR SETS

Herbrand's new Carburetor Repair sets bring within the reach of all mechanics the basic tools for disassembly, assembly and adjustment of all popular carburetors. Special tools are included for individual makes such as Carter, Stromberg, Chandler-Groves and Rochester carburetors. New tools will be added as needed in the future.

All tools are of genuine Herbrand Van-Chrome quality—Engineer designed, tough alloy steels, gleaming chromium plating, and fully guaranteed.

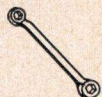
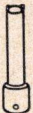
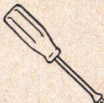
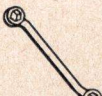
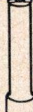
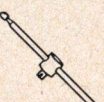



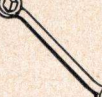












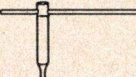
















A Herbrand Tool-of-the-Month selection.

Set No. CA-36½ Deluxe—This master set contains everyone of the tools listed except the M-21. With the CA-36½ set any good mechanic can become a carburetor repair expert. This complete set is packed in a handsome, sturdy metal box. Weight 4 lbs. 4 oz.

Set No. CA-24½ Basic—This basic set contains all of the specialized carburetor service tools. Not included in this set are the standard midget tools (marked with asterisk). Packed in the same box as No. CA-36½. Weight 3 lbs. 2 oz.

Complete list and description of Carburetor tools on other side

CARBURETOR REPAIR SETS

 <p>*No. 71 Midget Box Wrench 3/16 x 13/64</p>	 <p>C-530 Special Prong socket—prong .056 wide—1/16" deep socket dia. 3/8" for Metering jets.</p>	 <p>No. M-20 Screw driver grip and 6" Extension for sockets</p>
 <p>*No. 72 Midget Box Wrench 7/32 x 15/64</p>	 <p>C-531 Special Prong socket—prong .042 wide 1/16" deep dia. socket 7/16" for Metering jets.</p>	 <p>No. M-21 Sliding T handle for sockets</p>
 <p>*No. 73 Midget Box Wrench 1/4 x 9/32</p>	 <p>No. C-537 Float level gauge— Rochester Carburetor Chevrolet</p>	 <p>No. M-53 Screw Driver Bit 3/16" blade</p>
 <p>*No. 74 Midget Box Wrench 5/16 x 11/32</p>	 <p>No. C-538 Float level gauge— Ford— Stromberg and Chandler-Groves</p>	 <p>No. M-54 Screw Driver Bit 1/4" blade</p>
 <p>*No. 84 Midget O E Wrench 1/4 x 7/32</p>	 <p>No. C-539 Float level gauge— Plymouth</p>	 <p>No. M-55 Screw Driver Bit 5/16" blade</p>
 <p>*No. 85 Midget O E Wrench 9/32 x 5/16</p>	 <p>No. C-540 Ball Retaining Ring Insert</p>	 <p>No. M-510 5/16" 6-point deep socket 1/4" drive</p>
 <p>*No. 87 Midget O E Wrench 11/32 x 3/8</p>	 <p>No. C-542 Ball Retaining Ring In- serter—late models</p>	 <p>No. M-512 3/8" 6-point deep socket 1/4" drive</p>
 <p>*No. 89 Midget O E Wrench 7/16 x 1/2</p>	 <p>No. C-545 Main Vent tube tool</p>	 <p>No. M-513 13/32" 6-point deep socket 1/4" drive</p>
 <p>No. 352 Offset Screw Driver— 45° angle blade for difficult angles</p>	 <p>No. C-546 Bending and adjust- ing tool—float levers etc.</p>	 <p>No. M-514 7/16" 6-point deep socket 1/4" drive</p>
 <p>*No. 1729 O E Wrench 5/8 x 3/4</p>	 <p>No. C-547 Ball Retaining Ring removing tool</p>	 <p>No. M-515 15/32" 6-pt. deep socket 1/4" drive. Check valve— Stromberg carburetor.</p>
 <p>No. A-389 Socket Adaptor 3/8 to 1/4</p>	 <p>No. C-548 Economizer Valve Wrench</p>	 <p>No. M-516 1/2" 6-point deep socket 1/4" drive</p>
 <p>No. C-528 Jet socket—Stromberg oval 3/16" wide x 1/4" long</p>	 <p>*No. M-10 Ratchet Handle for sockets</p>	 <p>No. M-518 9/16" 6-point deep socket 1/4" drive</p>
 <p>No. C-529 Jet socket—Stromberg oval 7/32" wide x 9/32" long</p>	 <p>*No. M-13 Flex Handle for sockets</p>	 <p>No. MA55 1/2 Metal Box 9 3/8" x 5 7/8" x 1 1/2" Inside Dimen- sions</p>

ALLEN HEX KEYS:

Alloy steel, precision manufactured by the maker of Allen Set Screws. Hand finished individually for perfect fit. Turns Allen head screws faster, easier and better.

	Hex Size	Dimensions	
AW-2	$\frac{1}{16}$	$1\frac{3}{4}$	$x \ 1\frac{1}{16}$
AW-2 $\frac{1}{2}$	$\frac{5}{64}$	$1\frac{7}{8}$	$x \ 1\frac{1}{16}$
AW-3	$\frac{3}{32}$	2	$x \ \frac{3}{4}$
AW-4	$\frac{1}{8}$	$2\frac{1}{4}$	$x \ \frac{7}{8}$
AW-5	$\frac{5}{32}$	$2\frac{9}{16}$	$x \ 1$
AW-6	$\frac{3}{16}$	$2\frac{3}{4}$	$x \ 1\frac{1}{8}$
AW-7	$\frac{7}{32}$	$3\frac{1}{8}$	$x \ 1\frac{1}{4}$
AW-8	$\frac{1}{4}$	$3\frac{7}{16}$	$x \ 1\frac{1}{4}$
AW-10	$\frac{5}{16}$	$3\frac{7}{8}$	$x \ 1\frac{9}{16}$
AW-12	$\frac{3}{8}$	$4\frac{5}{16}$	$x \ 1\frac{3}{4}$

All packed 12 to box

AW-80 Set of Allen Set Screw Wrenches in a genuine leather pouch. Contains 1 each of the following 8 sizes: Allen Hex Keys: $\frac{5}{64}$, $\frac{3}{32}$, $\frac{1}{8}$, $\frac{5}{32}$, $\frac{7}{32}$, $\frac{3}{16}$, $\frac{1}{4}$ and $\frac{5}{16}$.

DS-16 DEEPSOCKET, $\frac{1}{2}$ " DRIVE:

12-point opening. Thin straight walls, hot forged of triple alloy steel and heat treated.

Length $3\frac{1}{10}$ ". Weight 5 oz., packed 6 to a box.

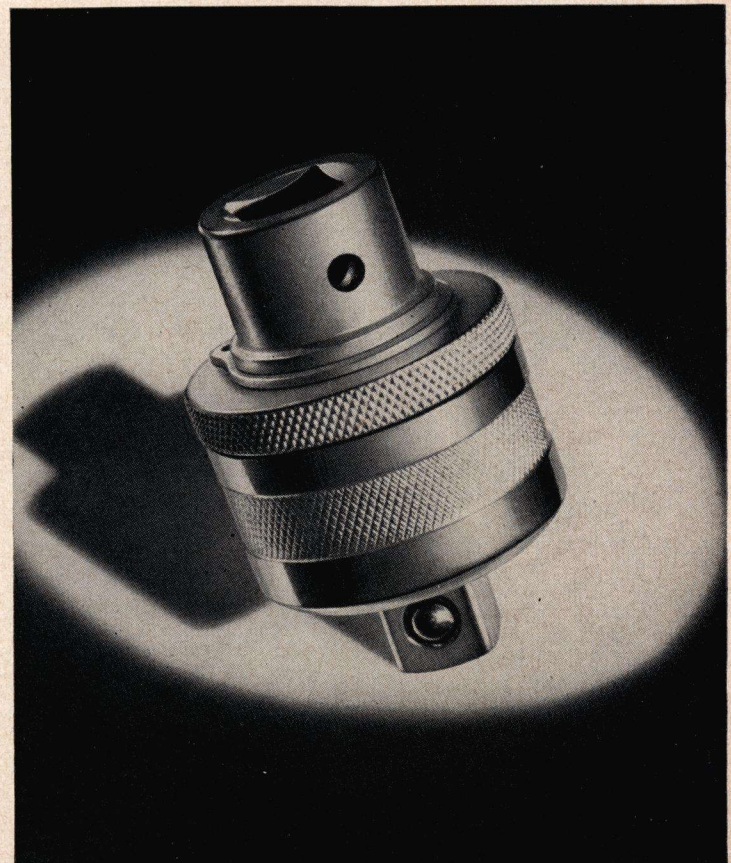
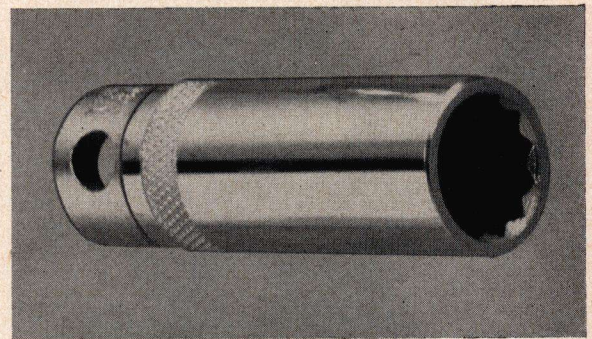
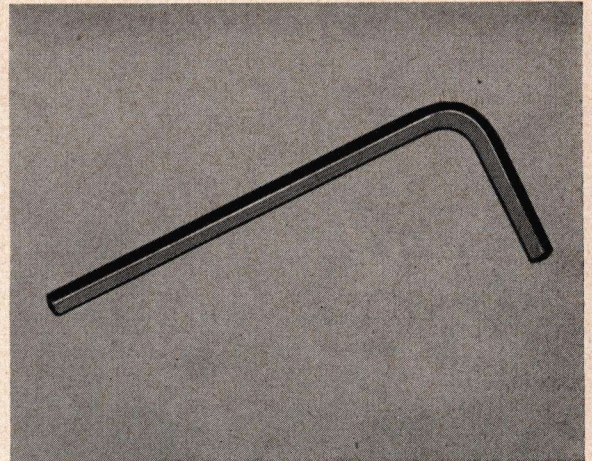
RATCH-A-DAPTORS:

(TOTM Selections)

These compact adaptors are instantly reversible by simple ring shift with no protruding lever to jam or break off. Made of special, extra tough alloy steel with 20 teeth and fewer parts for rugged strength. Positive action prevents slipping and will hold in any position. Bright chrome plated. Sealed to keep out dust and grit.

J-8 Fits any $\frac{3}{8}$ " drive. Width $1\frac{1}{8}$ ", length $1\frac{7}{8}$ ", weight $5\frac{1}{2}$ oz. packed 6 to a box

S-8 Fits any $\frac{1}{2}$ " drive. Width $1\frac{9}{16}$ ", length $2\frac{7}{16}$ ", weight 12 oz. packed 6 to a box





Herbrand VAN CHROME TOOLS

SCREWDRIVER ATTACHMENTS, $\frac{3}{8}$ " DRIVE:

Special analysis alloy tool steel. Entire driver heat treated in automatically controlled furnaces. Bright chrome plate.

FOR SLOTTED SCREWS

J-37 Bit $\frac{1}{4}$ ". Length $2\frac{1}{8}$ ". Weight 2 oz. Packed 6 to a box.

J-38 Bit $\frac{5}{16}$ ". Length $2\frac{1}{2}$ ". Weight 2 oz. Packed 6 to a box.

FOR PHILLIPS SCREWS

J-45 No. 2 Phillips. Length $2\frac{1}{16}$ ". Weight $2\frac{1}{2}$ oz. Packed 6 to a box.

J-46 No. 3 Phillips. Length $2\frac{1}{16}$ ". Weight $2\frac{1}{2}$ oz. Packed 6 to a box.

J-47 No. 4 Phillips. Length $2\frac{1}{16}$ ". Weight 3 oz. Packed 6 to a box.

FOR REED & PRINCE SCREWS

J-48 $\frac{1}{4}$ " diameter. Length $2\frac{9}{16}$ ". Weight $2\frac{1}{2}$ oz. Packed 6 to a box.

4 POINT SOCKETS, $\frac{3}{8}$ " DRIVE:

These 4-point square sockets fit the pipe plugs used for drainage on many new model cars. Hot forged, triple alloy steel, bright chrome plate.

J-509 opening $\frac{9}{32}$ ". Length $1\frac{1}{8}$ ". Weight 1 oz. Packed 6 to a box.

J-510 opening $\frac{5}{16}$ ". Length $1\frac{1}{8}$ ". Weight $1\frac{1}{2}$ oz. Packed 6 to a box.

J-512 opening $\frac{3}{8}$ ". Length $1\frac{1}{8}$ ". Weight $1\frac{1}{2}$ oz. Packed 6 to a box.

HOLDIT-SOCKETS:

(TOTM Selection)

Two spring-tensioned pins in socket wall grasps nuts, studs, and bolts firmly for starting or removing. High temper spring lasts a lifetime—sockets are standard Van-Chrome quality.

JC-624 6 point—opening $\frac{3}{4}$ ". Height $1\frac{1}{16}$ ". Weight 3 oz. Packed 6 to a box.

JH-622 6 point—opening $1\frac{1}{16}$ ". Height $1\frac{3}{32}$ ". Weight 3 oz. Packed 6 to a box.

Herbrand

Herbrand VAN CHROME TOOLS



M-35 UNIVERSAL JOINT, 1/4" DRIVE:

Improved, short-coupled, positive locking. Van-Chrome quality in every respect.

1/4" drive. Length 1 1/4". Weight 1 1/2 oz. Packed 6 to a box.

SCREWDRIVER ATTACHMENTS, 1/4" DRIVE:

Hot forged of triple alloy steel. Bright chrome plate.

M-53 Bit 3/16". Length 3 1/4". Weight 1 1/4 oz. Packed 6 to a box.

M-54 Bit 1/4". Length 3 1/8". Weight 1 1/2 oz. Packed 6 to a box.

M-55 Bit 5/16". Length 3 1/8". Weight 2 oz. Packed 6 to a box.

6 POINT DEEP SOCKETS, 1/4" DRIVE:

Slender and thin-walled for precision work. Top quality and beautifully finished inside and out in gleaming chrome.

	Opening	Height	Wt. Ozs.
M-510	5/16"	2"	1 1/2
M-512	3/8"	2"	1 1/2
M-513	1 3/32"	2"	1 1/2
M-514	7/16"	2"	2
M-515	1 5/32"	2"	2
M-516	1/2"	2"	2 1/2
M-518	9/16"	2"	3

All packed 6 to a box

8 POINT SOCKET, 1/4" DRIVE:

A needed addition to M-808 1/4" and M-810 5/16" openings.

M-812 opening 3/8". Height 1". Weight 1 1/2 oz. Packed 6 to a box.

S-30 EXTENSION, 1/2" DRIVE:

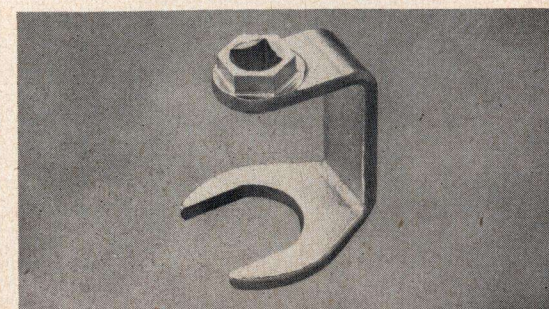
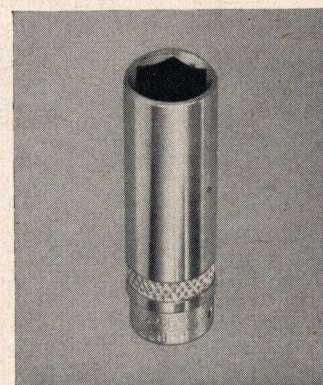
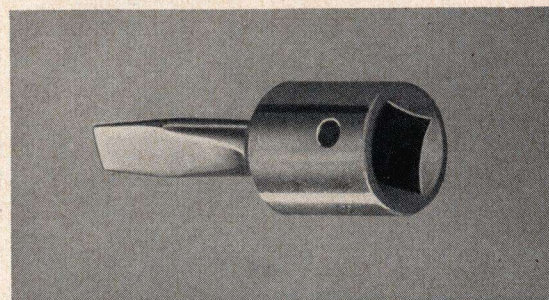
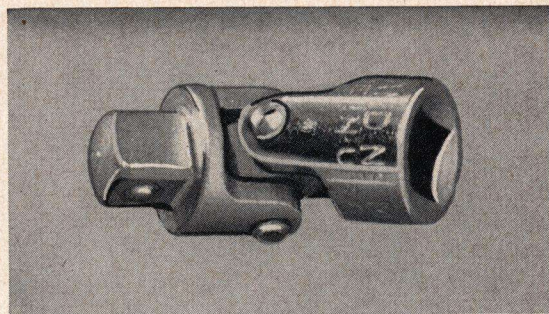
For reaching over wide fenders, etc. Finest alloy steel and heat treated for great strength.

1/2" drive, extension 33" long. Weight 2 lbs. 6 oz.

S-76C CHRYSLER CAMBER WRENCH:

Camber wrench for eccentric adjustment nuts. Fits Chrysler products except the New Yorker model.

1/2" drive. 1 13/32" opening. Weight 10 oz. Packed 6 to a box.





Herbrand VAN CHROME TOOLS



MB-6 DELUXE ROLLWAY:

An improved version of the famous MB-5. Heavy gauge steel, larger ball bearing swivel casters. Front casters lock to prevent rolling. Solid welded construction for permanent rigidity. Spill proof drawers and smooth, non-binding compound slides. Finished in brilliant blue crinkled baked enamel. The latest word in deluxe tool storage.

27½" wide, 18½" deep, 31" high. Weight 105 lbs. Individually packed.

MC-106CR: Deluxe Rollway, MC-105 tool chest with 101 approved tools. Refer to page 21, catalog 54 for tool assortment.

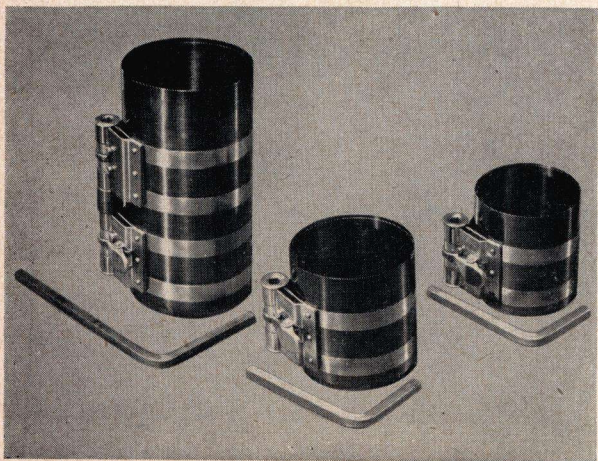
MC-106R: Deluxe Rollway and tool assortment listed on page 21 of catalog 54.



MC-5 TOOL CHEST:

A new model, with hinged front panel that secures all contents with key lock. Deeper drawers with patented easy slide action. Durably finished in blue crinkle baked enamel.

26" wide, 12" deep, 14¾" high. Weight 63 lbs. Individually packed.



RING COMPRESSORS, RATCHET TYPE:

The finest ratchet, wind-up type ring compressors made. Positive non-slip action. Outer tension bands maintain equalized pressure. Each will fit a wide range of sizes.

RC-25 Single tension band adjustable Friction Brake. Capacity 1½" to 3". Weight 6 oz.

RC-50 Two bands. Capacity 2½" to 5". Weight 10 oz.

RCT-50 Two bands. Capacity 3½" to 7". Weight 12 oz.

RCT-150 Four bands. Capacity 3½" to 7" x 6½" deep. Weight 1 lb. 6 oz.

Packed 1 to a box.

Herbrand

VAN CHROME TOOLS



MULTISCOPE NO. MS-1



TRACKS DOWN TROUBLE BY SOUND . . .



TRACING
MOTOR
TROUBLE

A NEW TIME SAVER FOR TRACING MECHANICAL TROUBLES

A new time saver for tracing mechanical trouble.

Here's one of the most useful new tools, using a tried and proven method of locating and identifying mechanical troubles. The MS-1 saves countless hours of tear-down time by accurate diagnosis of many car and equipment troubles.

The MULTISCOPE works on the same principle as a doctor's stethoscope. By tracing the intensity of trouble sound, mechanics can locate and in short order identify most mechanical troubles. In addition, it adds to the mechanic's professional status, enabling the customer to hear for himself where and what the trouble is.

Use of the MULTISCOPE

- 1 Increase the number of jobs per day
- 2 Provide fast, accurate diagnosis of trouble
- 3 Avoid unnecessary tear-downs
- 4 Allay customers' skepticism

Use of the MULTISCOPE . . .

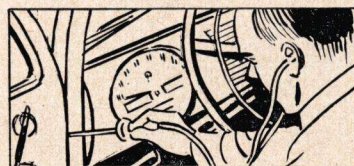
Simply place ear pieces in both ears snugly to exclude outside noises. Grasp plastic handle between thumb and index finger as you would a pencil, (the plastic handle insulates from electric shock). Place the probe firmly against the part, or area, where the trouble seems to originate. Move probe around until the spot is found where sound is clearest and loudest. This will indicate clearly where the trouble is. The internal part that is making the sound can be identified by pitch. Example; a piston slap has a lower tone than a loose valve, etc.



FROZEN SHACKLES



REAR END NOISES



BODY SQUEAKS



AIR-COMPRESSOR TROUBLE

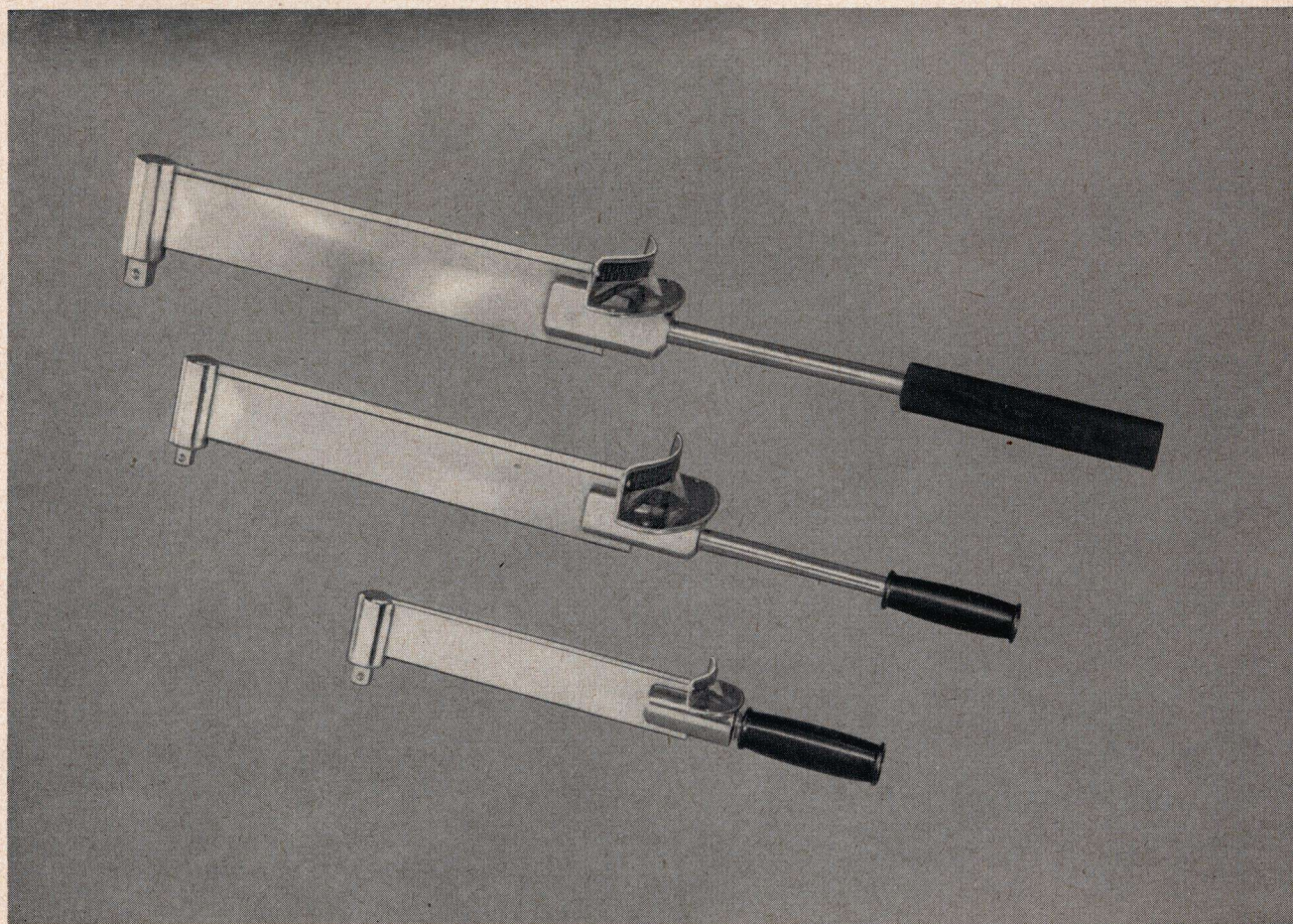
OTHER USES

Piston Slap
Bearing Knock
Faulty Valves
Gasket Leaks
Water Pump Failure
Worn Gears

Bearings and Brushes
In Electric Motors
Leaks in Compressed Air
or Gas Lines
Invaluable for any
Equipment with Moving
Parts or Materials

Herbrand

TORQUE WRENCH (FLAT BEAM)



TORQUE WRENCHES: FLAT BEAM

The most consistently accurate Torque Wrench made. New flat beam design is custom ground to a predetermined deflection under dead weight loading. Deflection is distributed evenly along entire length. No complicated mechanisms, or friction parts to get

out of adjustment, or working order.

Every wrench individually tested on a torque tester after complete assembly. Light weight, rugged construction and perfect balance. Easy to read, etched dials and bright chrome plate.

Number	Foot Pounds	Grad. Steps	Sq. Drive	No. of Dials	Length in inches	Wt. lbs.
FJ-25	0 - 25	1 ft.-lb.	$\frac{3}{8}$ "	2	15 $\frac{1}{4}$	2 $\frac{1}{4}$
FS-50	0 - 50	2 $\frac{1}{2}$ ft.-lb.	$\frac{1}{2}$ "	2	15 $\frac{1}{4}$	2 $\frac{1}{2}$
FS-100	0-100	5 ft.-lb.	$\frac{1}{2}$ "	2	17 $\frac{1}{2}$	2 $\frac{3}{4}$
FS-150	0-150	5 ft.-lb.	$\frac{1}{2}$ "	2	26 $\frac{1}{2}$	5 $\frac{1}{4}$
FS-200	0-200	5 ft.-lb.	$\frac{1}{2}$ "	2	26 $\frac{1}{2}$	5 $\frac{1}{2}$
FH-300	0-300	10 ft.-lb.	$\frac{3}{4}$ "	2	34 $\frac{3}{4}$	10 $\frac{1}{2}$
	Inch Pounds					
FJ-300-I	0 - 300	12 $\frac{1}{2}$ in.-lb.	$\frac{3}{8}$ "	2	15 $\frac{1}{4}$	2 $\frac{1}{4}$
FS-600-I	0 - 600	25 in.-lb.	$\frac{1}{2}$ "	2	15 $\frac{1}{4}$	2 $\frac{1}{2}$
FS-1200-I	0-1200	50 in.-lb.	$\frac{1}{2}$ "	2	17 $\frac{1}{2}$	2 $\frac{3}{4}$
FS-1800-I	0-1800	50 in.-lb.	$\frac{1}{2}$ "	2	26 $\frac{1}{2}$	5 $\frac{1}{4}$
FS-2400-I	0-2400	50 in.-lb.	$\frac{1}{2}$ "	2	26 $\frac{1}{2}$	5 $\frac{1}{2}$
FH-3600-I	0-3600	100 in.-lb.	$\frac{3}{4}$ "	2	34 $\frac{3}{4}$	10 $\frac{1}{2}$

Horbrand

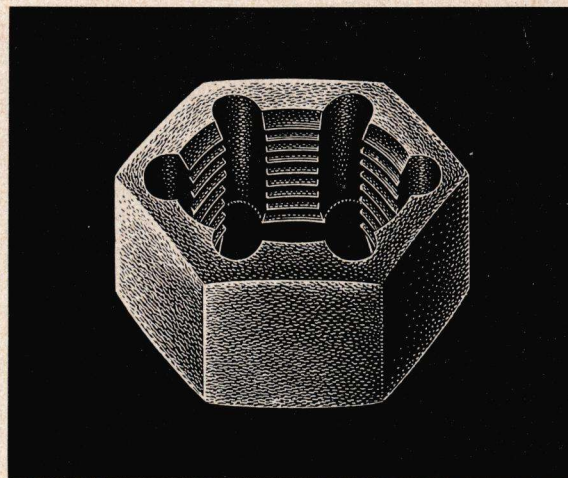
THREAD RESTORERS

These new dies restore threads quickly on any battered, damaged or rusted bolt, stud or shaft. Each die is the same size as the matching nut. No special holder or tool is required. The Herbrand Thread Restorer is not oversize—it chases out the damaged thread but does not recut the good thread. Comes complete in attractive kit of 8 sizes: $\frac{1}{4}$ " ; $\frac{5}{16}$ " ; $\frac{3}{8}$ " ; $\frac{7}{16}$ " ; $\frac{1}{2}$ " ; $\frac{9}{16}$ " ; $\frac{5}{8}$ " ; and $\frac{3}{4}$ ".

Weight $\frac{1}{2}$ lb. Packed 1 set to a box.

806 Set U.S.S. Standard or American National Coarse.

808 Set S.A.E. Standard or American National Fine.



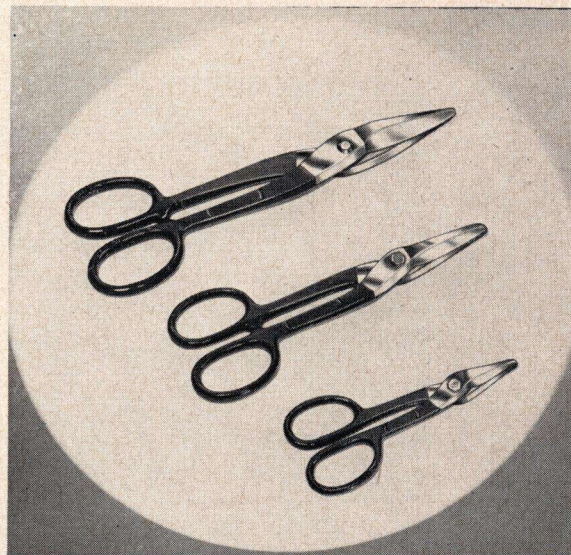
TIN SNIPS, DUCKBILL

These snips have a thin cutting edge, and the handles are designed to give strong leverage action. They are made of the finest quality alloy steel, forged, heat treated and attractively finished in Herbrand blue and tangerine. Available in 7, 10, and 12 inch lengths to suit your particular requirements.

TS- 7 Weight 6 oz. Length 7". Packed 6 to a box.

TS-10 Weight 14 oz. Length 10". Packed 4 to a box.

TS-12 Weight $1\frac{1}{2}$ lbs. Length 12". Packed 4 to a box.



DRIL-O-DRIVER

Save hours of time and energy at driving nuts, bolts and screws. The Dril-O-Driver operates by automatic friction drive from zero speed to full capacity of drill—while drill runs at full speed—depending upon pressure applied. It's the master power driver for the master craftsman.

- Fits any $\frac{1}{4}$ " electric or air drill, or larger, like ordinary bit.
- Only engages when pressure is applied.
- Operator controls speed and force of drive.
- Slows down and stops when nut, bolt or screw is driven home.
- Operates in either forward or reverse, if drill reverses.
- Drives nuts, bolts, and wood, machine, cap and sheet metal screws.
- Can be used with any $\frac{1}{4}$ " drive or $\frac{3}{8}$ " drive sockets or attachments.
- Can be converted to other variable speed uses, such as buffing or sanding.

DO-10 Kit Contains DO-1, DO-2 Slotted Screw-driver bit and $\frac{1}{4}$ " drive bit.



AUTOMATIC TRANSMISSION LUBRICATION TOOL SETS

Herbrand VAN CHROME TOOLS



Your customers are demanding a clean job when you lubricate their automatic transmissions. The Lub - O - Matic tool board shows them that you have the correct special tools to lubricate automatic transmissions and also indicates you will do a clean job.



Each tool and every set has been carefully selected and tested in conjunction with car manufacturers and oil companies. Herbrand offers the most practical assortment of tools for automatic transmissions. All of these tools are top quality — rugged, latest design, triple alloy steel, gleaming easy-to-clean chrome finish.

DESCRIPTIVE LIST OF *Herbrand* TOOLS FOR

- FORD-O-MATIC
- HYDRA-MATIC
- POWERGLIDE
- DYNAFLOW
- MERC-O-MATIC
- FLUID DRIVE
- ULTRAMATIC
- DRIVEMASTER

Standard Sets SS-30 & SS-31	Universal Sets SS-40 & SS-41	DeLuxe Universal Sets SS-50 & SS-51	HERBRAND NUMBER	DESCRIPTION	PURPOSE
		✓	J-9	Speedratchet 3/8" Drive	Fast, Versatile, Socket Turning
✓	✓		J-10	Ratchet 3/8" Drive	Socket Turning
		✓	J-27	5" Socket extension	To reach top cover plate bolts and 3/4" male end for Power glide plate plug (same as J-27)
✓	✓		J-29	11" Socket-extension	Power Glide transmission drain plug
✓	✓	✓	J-214	7/16" 8 point socket	Dynaflow Torque Converter Drain plug
✓	✓	✓	J-509	9/32" 4 point socket	Hydra-Matic Fluid Coupling drain plug
✓	✓	✓	J-614	7/16" 6 point socket	Cover plate bolts on Hydra-Matic, Dynaflow, pan
✓	✓	✓	J-616	1/2" 6 point socket	Cover plate bolts on Hydra-Matic
✓	✓	✓	J-618	9/16" 6 point socket	Chrysler Fluid Drive drain plug
	✓	✓	JC-624	3/4" 6 point Hold-it socket	Hudson Clutch drain plug
	✓	✓	JH-622	11/16" 6 point Hold-it socket	Hydra-Matic, Powerglide drain plug
✓	✓	✓	AW-6	3/16" Allen set screw wrench	For turning flywheels
✓	✓	✓	317	10" Blade Screw Driver	Dynaflow, Hydra-Matic fluid pan drain plugs
✓	✓	✓	5733	7/8" x 1" Box Wrench	

STANDARD SETS (SS-30 & SS-31)

The Standard Sets contain the tools to handle all automatic transmission lubrication jobs except Chrysler Fluid Drive and Hudson Wet Clutch.

SS-30 on Lube-O-Matic Board
Weight 5 lbs. 4 oz.

SS-31 in Metal Box
Weight 5 lbs.

UNIVERSAL SETS (SS-40 & SS-41)

The addition of the two Hold-it Sockets JC-624 and JH-622 for Chrysler and Hudson makes these sets applicable to all automatic transmissions now on the market.

SS-40 on Lube-O-Matic Board
Weight 5 lbs. 8 oz.

SS-41 in Metal Box
Weight 5 lbs. 4 oz.

DELUXE UNIVERSAL SETS (SS-50 & SS-51)

If you want the last word these deluxe sets are it. In place of the standard J-10 ratchet and 11" extension, you will have the revolutionary new J-9 Speedratchet and a 5" extension. All other tools are the same as in SS-40 and SS-41

SS-50 on Lube-O-Matic Board
Weight 6 lbs. 4 oz.

SS-51 in Metal Box
Weight 7 lbs. 8 oz.

Herbrand VAN CHROME TOOLS

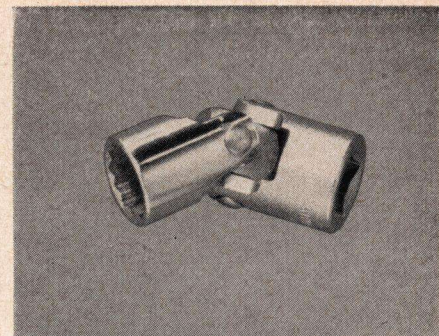


12 POINT FLEX SOCKETS: 1/2" DRIVE:

Compact, smooth acting, will break over to a full 90° angle. Reaches into tight places where others fail. Tough alloy steel, rigidly heat treated and bright chrome plate. Pressure springs hold sockets at any desired position.

No.	Opening	Height	Wt. Ozs.
S-316	1/2 "	2 5/16 "	4
S-318	9/16 "	2 1/4 "	4
S-320	5/8 "	2 3/8 "	4 1/2
S-322	1 1/16 "	2 3/8 "	4 1/2
S-324	3/4 "	2 7/16 "	5
S-326	1 3/16 "	2 1/2 "	5

All packed 6 to a box.

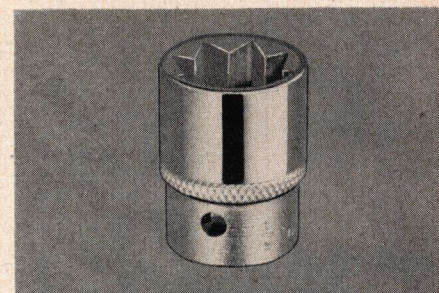


8 POINT SOCKETS, 1/2" DRIVE:

Double square sockets for square nuts. Rugged, hot broached construction of tough alloy steel. Bright chrome plate.

No.	Opening	Height	Wt. Ozs.
S-222	1 1/16 "	1 15/32 "	2
S-224	3/4 "	1 15/32 "	2
S-226	1 3/16 "	1 17/32 "	2 1/4
S-228	7/8 "	1 19/32 "	2 1/4
S-232	1 "	1 21/32 "	2 1/2
S-234	1 1/16 "	1 23/32 "	2 1/2

All packed 6 to a box.

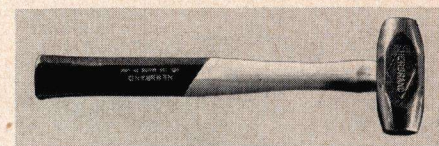


126 SOFT BRONZE HAMMER:

Soft bronze hammer for driving easily damaged parts. Head polished and lacquered, white hickory handle with end grip Herbrand blue.

Length 12". Weight 1 lb. 10 oz.

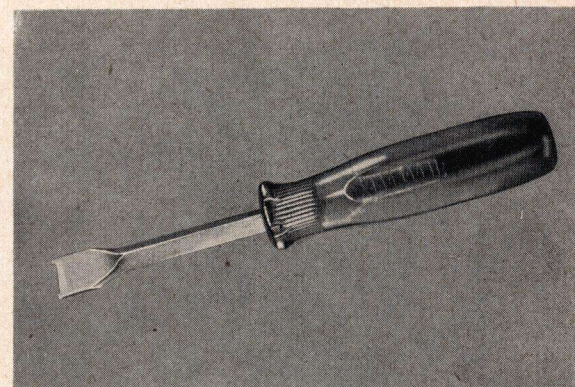
Packed 6 to a box.



1133B RUBBER Mallet:

Molded of special tough rubber. Patented lock-on feature prevents head flying off.

Head 4". Length 16". Weight 2 lbs. Packed 6 to a box.



T-100 TAPPET ADJUSTER:

(TOTM Selection)

Specially designed for Overhead Valves

Spring loaded blade moves up and down inside handle. Motor may be kept running during adjustment yet mechanic's hand holds steady. Notched tip keeps blade from slipping out of adjustment screw. Length 7". Weight 3 1/4 oz. Packed 6 to a card.

PUSH PULL RULES:

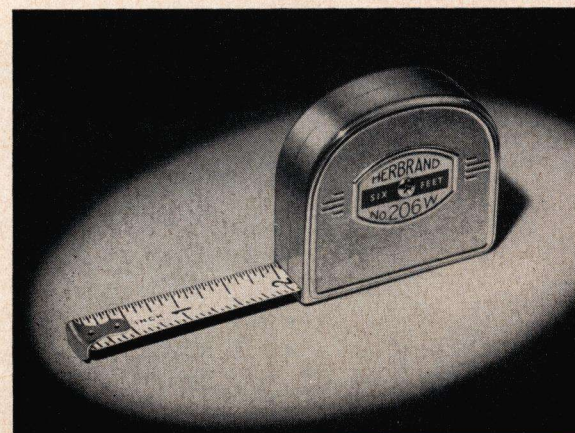
(TOTM Selection)

A new push-pull rule with precision stay-put action. White faced with large black numerals for easy reading. Light weight. Case with rounded corners for pocket carrying. Beautiful gleaming chromium plate.

206W 6 ft. length. Weight 3 1/4 oz. Packed 12 to a display card.

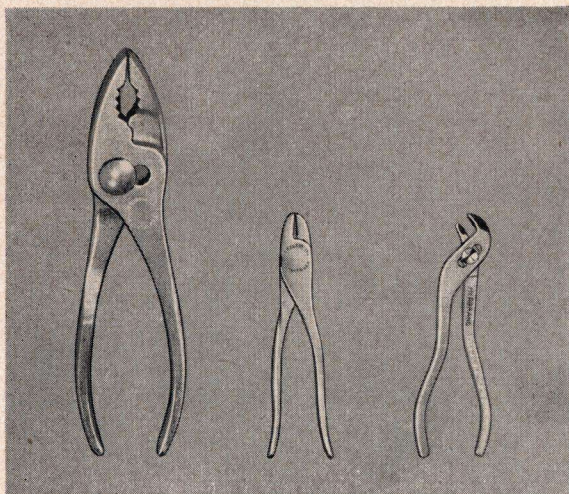
208W 8 ft. length. Weight 4 oz. Packed 6 to a box.

210W 10 ft. length. Weight 4 1/2 oz. Packed 6 to a box.





Herbrand VAN CHROME TOOLS



PLIERS:

151S: A general purpose combination plier. Satin finish.

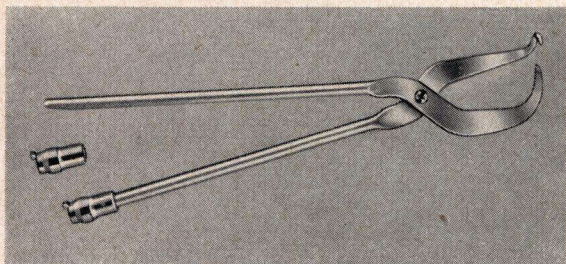
Length 6". Weight 7 oz. Packed 6 to a box.

165 (TOTM Selection): A midsize general utility plier for use in awkward out of the way places. Precision made of alloy steel. Light and thin yet ruggedly strong. Satin chrome plate.

Length 4½". Weight 2 oz. Packed 12 to a display card.

167: Midsize multigrip adjustable plier. Ideal for reaching small awkwardly placed nuts. Strong and thin, improved grip for comfort. Chrome plated.

Length 4½". 3 adjustments from 0" to ⅞". Weight 1½ oz. Packed 6 to a box.



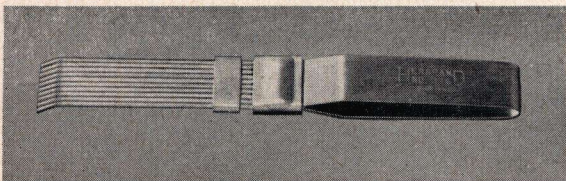
BRAKE SPRING PLIER:

(TOTM Selection)

A specially built tool for taking springs off center pins on full floating brake shoes and removing springs from anchor type shoes. Forged from triple alloy steel, bright chrome plated.

183A Brake Spring Plier. Length 14". Weight 15 oz. Packed 6 to a display box.

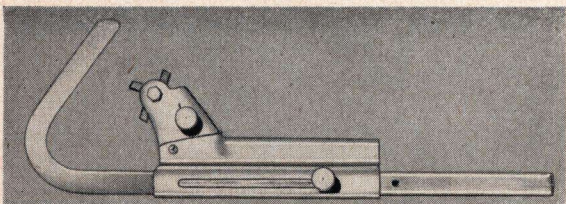
183B Socket & Pin for 183A. Weight 1 oz. Packed 6 to a box.



346 FLEX CARBON SCRAPER:

Ten flexible wires, controlled by sliding collar, give a wide range of scraping. Oil tempered spring steel with all metal handle. Satin plated.

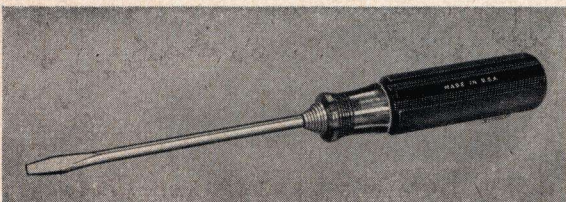
Length 9". Weight 5 oz. Packed 6 to a box.



349 PISTON RING GROOVE CLEANER:

Fits all pistons up to 6" diameter. Cutter wheel has 3/32", 1/8", 5/32" and 3/16" blades.

Length 11¼". Weight 6¾ oz. Packed 6 to a box.



SPARK DETECTING SCREWDRIVERS:

For testing high frequency circuits. When tip is placed on spark plug, distributor or leak in ignition wiring, etc., neon tube in handle flashes indicating condition of the circuit. Slender alloy steel blades, and shock-proof plastic handle.

304E 9/64"x2¼" 5" O.A. (with pocket clip)

305E 3/16"x4" 8½" O.A.

Packed 6 to a box.

SCREWDRIVERS:

The very finest money can buy.

Built for heavy duty use, special analysis alloy steel, precision processed and heat treated in automatically controlled furnaces for diamond-hard tips and tough resilient shanks. Genuine Tenite II plastic handles; all are fire-safe and extraordinarily tough.

HEX BOLSTER, SLOT:

No.	Bit Width	Blade Length	Bolster Across Flats	O.A. Length
291	1/4"	4"	5/16"	8 5/8"
292	5/16"	5"	5/16"	9 5/8"
293	3/8"	6"	11/32"	11 13/16"
294	3/8"	8"	11/32"	13 5/8"
295	7/16"	10"	11/32"	15 3/4"

290 Set, 1 each of above 5 sizes in box.

CLUTCH HEAD:

Type G is the old clutch head screwdriver. Type A is the new, improved driver which friction-locks into the screw head when turning out.

Type A	Clutch Size	Blade Dia.	Blade Length	O. A. Length
393	5/32"	1/4"	4"	7 3/4"
395	1/4"	5/16"	6"	10 3/8"
397	5/16"	3/8"	6"	10 7/8"

390 Set, 1 each of above 3 sizes in box.

PHILLIPS:

No.	Size	Blade Dia.	Blade Length	O. A. Length
358P	No. 1	3/16"	1"	3 1/4"
359P	No. 2	1/4"	1 1/2"	3 3/4"
361P	No. 1	3/16"	3"	6 1/4"
362P	No. 2	1/4"	4"	7 3/4"
363P	No. 3	5/16"	6"	10 3/8"
364P	No. 4	3/8"	8"	12 7/8"

361 1/2 P Set, 1 each of above 6 sizes in box.

361 1/2 P Kit, Same set in versilan roll.

360P Set, 1 each of 361P, 362P, 363P, 364P in box.

360P Kit, Same set in versilan roll.

SD-3 DELUXE SCREWDRIVER

ASSORTMENT: (TOTM Selection)

The finest set money can buy, made of super alloy steel, hot forged. Containing the two most popular sizes for Slotted, Phillips and Clutch Head screws.

1 each 291, 293, 362P, 363P, 393, 395
Packed in display box.

SCREWSTARTERS: (TOTM Selection)

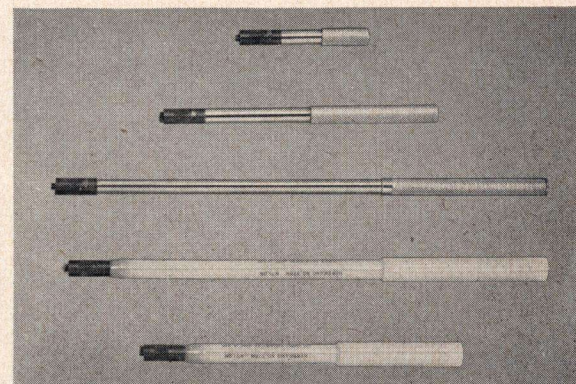
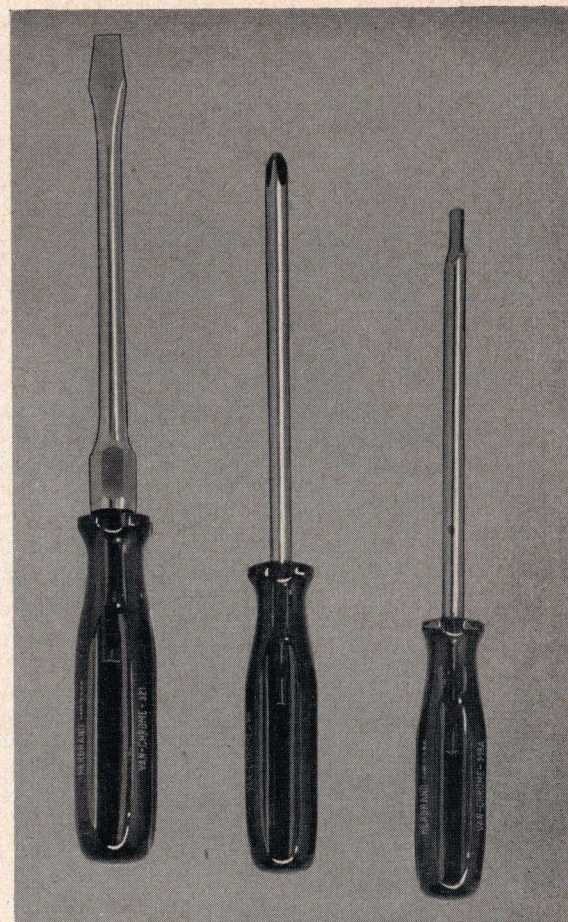
Sharp milled teeth of locking blade under powerful spring tension hold up to 15 lbs. pull on screw. Handles of finest shock proof nylon and light weight aluminum.

372	2 1/2" aluminum	376N	6" nylon
375	5" aluminum	379N	9" nylon
379	9" aluminum		

Packed 12 to a box.

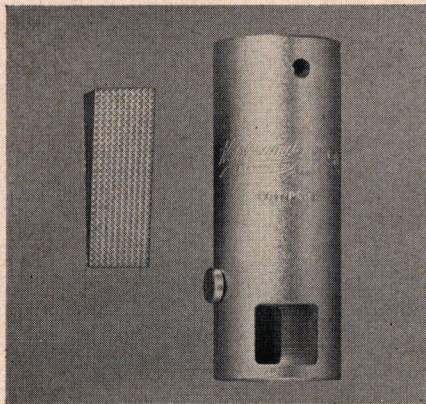
370-12 Aluminum Screwstarter display card
3 of 372 and 379; 6 of 375

370N-12 Nylon Screwstarter display card
4 of 379N; 8 of 376N





Herbrand VAN CHROME TOOLS



821 STUD PULLER:

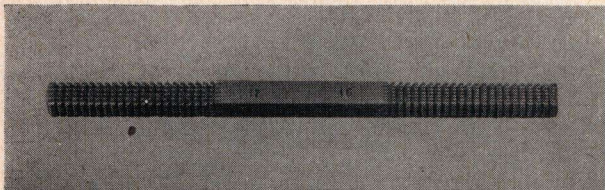
(TOTM Selection)

A compact tool that grips firmly close to work will handle all sizes of automotive studs.

$\frac{1}{2}$ " drive only. $1\frac{5}{16}$ " diameter, $3\frac{3}{8}$ " long. Weight 1 lb. Packed 6 to a display package.

821 Stud Puller, 1 lb.

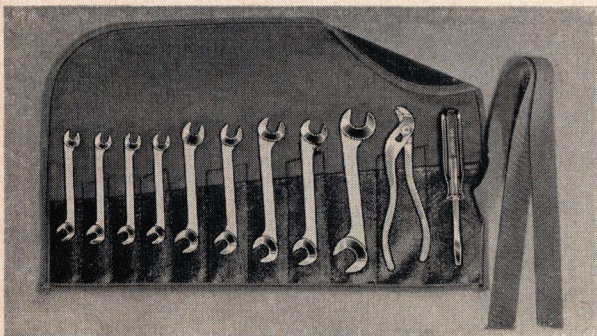
821W Wedge only for 821. Packed 6 to a box.



F-5 POINT FILE:

The fine double-cut teeth of these tempered Chrome Tungsten Steel Files produce a clean fast cutting action. Gets down between the points.

Length 5". Weight per doz. $3\frac{1}{2}$ oz.
Supplied on display card holding 12.



THREAD RESTORER FILES:

Tough cutting tool steel. One or two strokes will clean or restore threads. Each has 8 thread sizes and all are clearly marked.

No. 809 For 9, 10, 15, 16, 20, 26, 28 and 32 threads to the inch

No. 811 For 11, 12, 13, 14, 16, 18, 20 and 24 threads to the inch

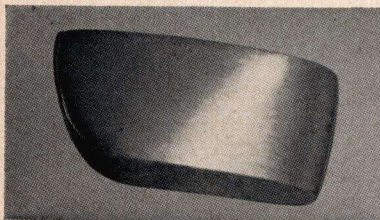
Weight 2 oz. Packed 12 to a box.

96 IGNITION WRENCH SET:

A balanced set of all 9 ignition wrenches (81 to 89 inclusive) plus No. 310 Screwdriver with Pocket Clip and a No. 167 $\frac{1}{2}$ improved midget Multigrip Plier in flannel lined pocket "Versilan" roll.

Weight $5\frac{1}{2}$ oz.

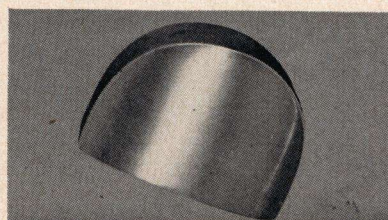
MULTIFIT BODY AND FENDER DOLLIES:



BF-55 TOE DOLLY:

Has large perfectly flat face for dinging flat panels. Its thinness and length are handy for getting in narrow pockets.

$4\frac{3}{4}$ " x $2\frac{3}{4}$ " x $1\frac{1}{16}$ " Weight $2\frac{1}{2}$ lbs. Packed 1 to a box.



BF-56 HEEL DOLLY:

For sharp corners and wide radii. Its compactness makes it handy in close quarters.

$3\frac{1}{8}$ " x $2\frac{3}{8}$ " x $1\frac{7}{16}$ " Weight $2\frac{1}{2}$ lbs. Packed 1 to a box.



BF-57 GENERAL PURPOSE DOLLY:

Has a wide range of crowned working faces and two flanging and beading lips. Can be used on all body areas especially recommended for deep fenders.

$2\frac{7}{8}$ " x $2\frac{3}{8}$ " x $2\frac{1}{4}$ " Weight $2\frac{3}{4}$ lbs. Packed 1 to a box.

Herbrand VAN CHROME TOOLS



DRILLS AND EXTRACTORS:

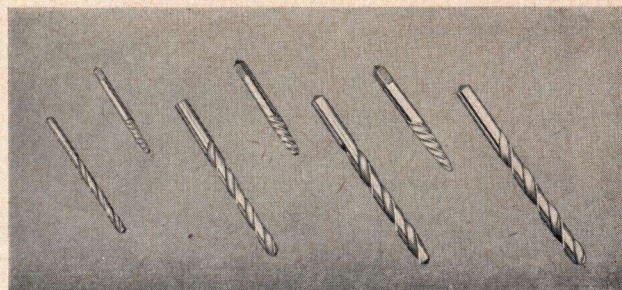
These high speed steel drills, straight shank and extra long, are specially designed and sized for general automotive work. Precision ground, tempered and hardened for long life. 32 of the most popular fractional sizes from 1/64" to 1/2".

Herbrand Screw Extractors will do the job faster. Merely drill a hole in broken screw or stud and insert the extractor with left hand turn. Continued turning completes the extraction. 5 of the most popular sizes give 1/8" to 3/4" coverage.

EXTRACTOR SIZES

Extractor No.	Fractional Size	Use Drill
1	1/8 - 3/16	1/16
2	3/16 - 5/16	7/64
3	5/16 - 7/16	5/32
4	7/16 - 9/16	1/4
5	9/16 - 3/4	9/32

Shipped 5 to envelope.



DRILL SIZES

Diameter Inches	Decimal Equivalent	Length, Inches	Diameter Inches	Decimal Equivalent	Length, Inches	Diameter Inches	Decimal Equivalent	Length, Inches	Diameter Inches	Decimal Equivalent	Length, Inches
1/64	.0156	3/4	9/64	.1406	27/8	17/64	.2656	4 1/8	25/64	.3906	5 1/8
1/32	.0312	1 3/8	5/32	.1562	3 1/8	9/32	.2812	4 1/4	13/32	.4062	5 1/4
3/64	.0468	1 3/4	11/64	.1718	3 1/4	19/64	.2968	4 3/8	27/64	.4218	5 3/8
1/16	.0625	1 7/8	3/16	.1875	3 1/2	5/16	.3125	4 1/2	7/16	.4375	5 1/2
5/64	.0781	2	13/64	.2031	3 5/8	21/64	.3281	4 5/8	29/64	.4531	5 5/8
3/32	.0937	2 1/4	7/32	.2187	3 3/4	11/32	.3437	4 3/4	15/32	.4687	5 3/4
7/64	.1093	2 5/8	15/64	.2343	3 7/8	23/64	.3593	4 7/8	31/64	.4843	5 7/8
1/8	.125	2 3/4	1/4	.25	4	3/8	.375	5	1/2	.5	6

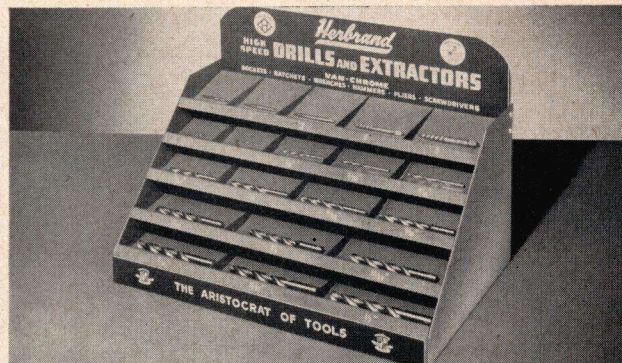
Shipped 5 to envelope.

JOBBER DISPLAY ASSORTMENT:

A complete stock carefully balanced for fastest movement. This handsome and sturdy display case will sell more drills and extractors. Beautiful Herbrand Blue baked enamel finish. Available with or without glass protective cover.

No. DB-1330 Consists of DB-1330B case and 158 drills, 25 extractors.

20 1/2" wide, 13" deep, 14 1/2" high.
Weight 11 1/2 lbs.



DRILLS

1/64 - 5	3/32 - 5	11/64 - 5	1/4 - 15
1/32 - 5	7/64 - 5	3/16 - 10	17/64 - 5
3/64 - 5	1/8 - 10	13/64 - 5	9/32 - 5
1/16 - 5	9/64 - 5	7/32 - 5	19/64 - 5
5/64 - 5	5/32 - 5	15/64 - 5	5/16 - 10

No. DB-1330T Assortment of drills listed above without display case.

EXTRACTORS

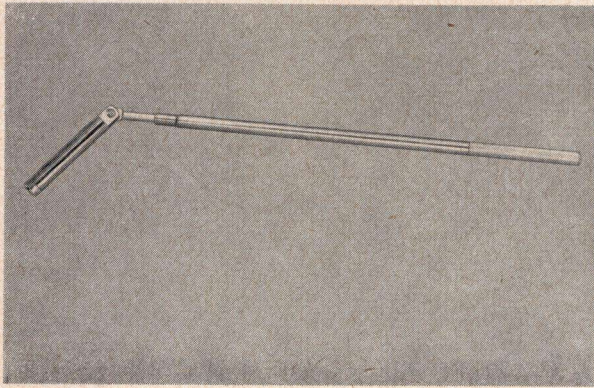
21/64 - 2	25/64 - 2	29/64 - 2	No. 1-5
11/32 - 2	13/32 - 2	15/32 - 2	No. 2-5
23/64 - 2	27/64 - 2	31/64 - 2	No. 3-5
3/8 - 5	7/16 - 5	1/2 - 5	No. 4-5
			No. 5-5

No. DB-1330B Display case only.
No. DB-1330G Glass cover for display case.

Herbrand



Herbrand VAN CHROME TOOLS

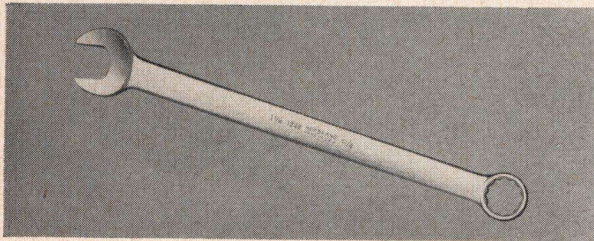


MAGNETIC PICK UP: (TOTM Selection)

Permanent Magnetic heads — amazing strength — adjustable angle. Will retrieve tools dropped in inaccessible spots. Will remove particles from corners in oil or water. Ideal time and trouble saver.

380-9 Length 9". Weight 1 lb. 8 oz. for 12. Packed 12 to a box.

380-27 Telescopes from 16 $\frac{3}{8}$ " to 27" length. Weight 6 lbs. for 12. Packed 12 to a display box.



COMBINATION BOX & OPEN END WRENCHES (NEW SERIES):

New improved designs. Symmetrical shape and better balanced 15° offset on both ends. Hot forged of tough alloy steel, heat treated and accurately machined. Beautiful chrome plate.

Wrench No.	Size Opening	Thickness Open End	Outside Diameter Box End	Length	Weight	No.
1210N	5/16	11/64	9/16	4 1/2	3/4 oz.	1210N
1211N	11/32	11/64	9/16	4 1/2	3/4 oz.	1211N
1212N	3/8	7/32	19/32	5	1 oz.	1212N
1214N	7/16	15/64	43/64	5 3/8	1 1/2 oz.	1214N
1216N	1/2	1/4	25/32	6	2 1/4 oz.	1216N
1218N	9/16	9/32	7/8	6 3/4	3 1/4 oz.	1218N
1219N	19/32	9/32	7/8	6 3/4	2 1/2 oz.	1219N
1220N	5/8	5/16	15/16	7 5/8	3 1/2 oz.	1220N
1222N	11/16	11/32	1 1/32	8 1/2	5 oz.	1222N
1224N	3/4	3/8	1 1/8	9 1/2	6 1/2 oz.	1224N
1225N	25/32	3/8	1 1/8	9 1/2	6 1/2 oz.	1225N
1226N	13/16	7/16	1 9/32	11	9 1/4 oz.	1226N
1228N	7/8	7/16	1 9/32	11	9 1/2 oz.	1228N
1230N	15/16	1/2	1 15/32	13	14 3/4 oz.	1230N
1232N	1	1/2	1 15/32	13	1 lb. 1 oz.	1232N
1234N	1 1/16	5/8	1 21/32	15	1 lb. 8 oz.	1234N
1236N	1 1/8	5/8	1 21/32	15	1 lb. 8 oz.	1236N
1240N	1 1/4	17/32	1 13/16	18	2 lb. 2 oz.	1240N
1242N	1 5/16	17/32	1 13/16	18	2 lb.	1242N
1246N	1 7/16	3/4	2 1/16	21	3 lb. 8 oz.	1246N

All packed 6 to a box

Set 1250N 1 each of 1214N, 1216N, 1218N and 1220N in box.

Kit 1250N in versilan roll.

Set 1260N 1 each of 1214N, 1216N, 1218N, 1220N, 1222N and 1224N in box.

Kit 1260N in versilan roll.

Set 1270N 1 each of 1212N, 1214N, 1216N,

1218N, 1220N, 1222N, 1224N, 1226N, 1228N and 1230N in box.

Kit 1270N in versilan roll.

Set 1280N 1 each of 1212N, 1214N, 1216N, 1218N, 1220N, 1222N, 1224N, 1226N, 1228N, 1230N, 1232N and 1234N in box.

Kit 1280N in versilan roll.



Herbrand

VAN CHROME TOOLS

SLIDE HAMMER PULLER

NO. 866

ALL-PURPOSE Slide Hammer Puller

NO. 866

Special Features:

- Staggered jaw pivot holes in 2 and 3 way cross arms give wider range with parallel pull.
- Greater capacity, 0" to 5" external, 1 1/4" to 6" internal.
- 14 1/2" and 24" T-handle shafts with no-pinch forged safety stops.
- Ball tip expander for small internal pulling.
- Hex Head screw shaft for quick changeover to 2 or 3 jaw screw type puller.
- Push pull pins for quick jaw changing.
- Replaceable floating centering tips—lock ball construction.
- Cross arm for cap-screw gear pulling, etc.

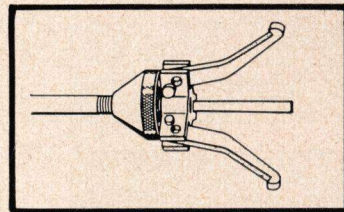
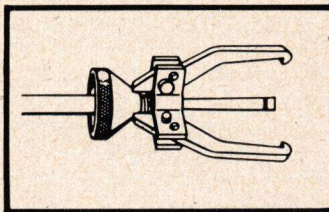
The new Herbrand 866 will soon pay its way in any mechanic's tool box for it makes available to the user a very wide range of work and is limited only by the ingenuity of the user. It is a modern pulling tool of many uses and quickly adapts itself to almost every type of pulling job both inside and outside.

The yokes have staggered jaw pivot holes to give a greater range with parallel pull. The puller shaft was designed for maximum efficiency and safety. A special no-pinch forged safety stop on the puller shaft insures protection when in use. Capacity is from 0" to 5" on external gripping, and from 1 1/4" to 6" on internal gripping. Specially designed reversible cone not only adjusts the puller arms but also locks them into place for a positive hold and safety.

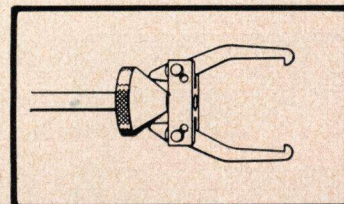
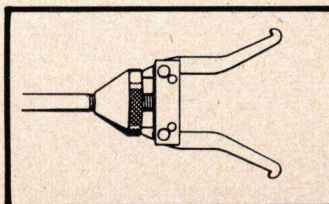
It is exceptionally important that every modern service department be equipped with this Slide Hammer Puller because it is quick, safe, and economical, and avoids damaging expensive parts. The 866 has been carefully engineered to cover the complete range of jobs encountered. It is drop forged from triple alloy steel, heat treated and chrome plated.

Weight 6 lbs. 12 oz.

Shipped 1 to a box



2 and 3 jaw internal and external pulling. Combines wider range and greater strength with more parallel jaw alignment. Two shafts 14 1/2" and 24" long with special no-pinch, safety stop available, depending upon clearance. Works equally as well with No. 868S puller screw when use of thrust is possible.



Herbrand 866 Slide hammer consists of the following parts: 866E, 866H, 3-866J, 866N, 3-866P, 866S and 866Y.

★ See back of catalog page for complete listing of all parts

Herbrand

SLIDE HAMMER PULLER

NO. 866

Herbrand

VAN CHROME TOOLS



866B—2-way cross arm— $2\frac{7}{8}$ " long—2 pair of jaw pivot holes provide each arm parallel jaw alignment within greater strength.



866C—Deep slotted cap screw cross arm—6" long. Use in pulling gears, pulleys, etc.



866E—Ball Tip Expander—fits end of 866S or 867S for small internal pulling—provides quick easy no slip jaw adjustment with only a turn of the handle.



866G—Single Jaw— $2\frac{1}{2}$ " long—for pulling grease retainers, bushings, brake work, etc.



866H—Sliding Hammer, with form fit grip— $4\frac{1}{2}$ " long—weight $2\frac{3}{4}$ lbs.



866J—Reversible Puller Jaws 5" Long—drop forged and accurately machined for positive adjustment. Distributes equal load on all jaws, either 2 or 3 jaw action.



866N—Knurled reversible Adjusting Cone— $2\frac{1}{4}$ " diameter.



866P—Push Pull Pin to hold jaws in place. Lock ball action with knurled head.



866S—T-Handle Puller shaft 24" long with forged no-pinch safety stop.



866Y—3 way yoke for 3 jaw pulling. Two staggered holes for each arm giving greater range and adaptability.



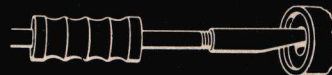
867S—T-Handle puller shaft— $14\frac{1}{2}$ " long with forged no-pinch safety stop.



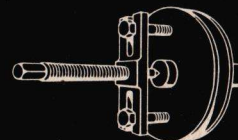
868S—Hex Head Puller Screw— $6\frac{3}{4}$ " long with floating centering tip.



868T—Interchangeable centering tip for 868S screw—push pull design—tip remains stationary when thrust screw is turned.



Using the single jaw type puller for grease retainers, bushings, brake work, etc.



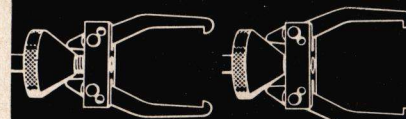
Showing the cross arm cap screw type puller for pulling gears, pulleys, etc.



The ball tip expander for use with 2 or 3 jaw internal pulling, capacity from $1\frac{1}{4}$ " to $2\frac{1}{4}$ " with 3 jaws.



The Hex head puller screw used to make a 2 or 3 jaw medium duty screw type puller.



Demonstrating the wider range of parallel pull by using the different 2 position jaw pivot holes (caution—the jaw pivot holes in use should always be kept away from the work.)

